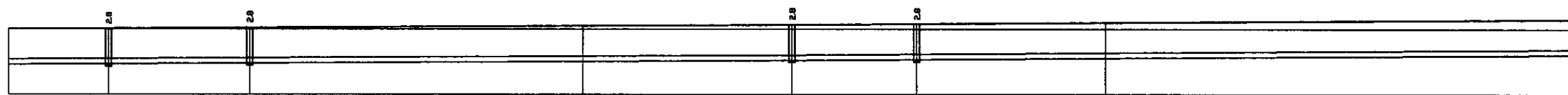
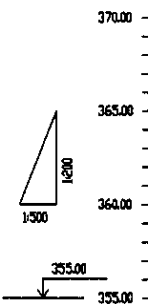
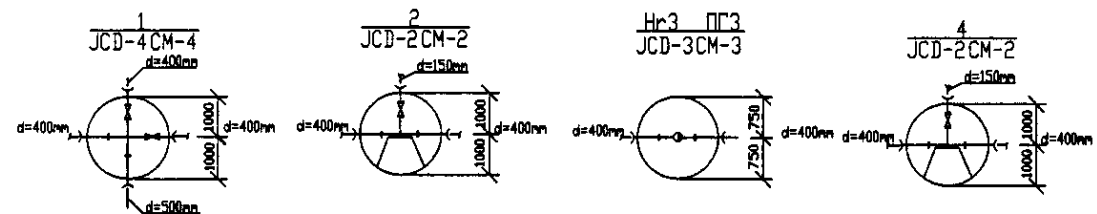


PLAN Scale 1:500
ПЛАН Шкала 1:500



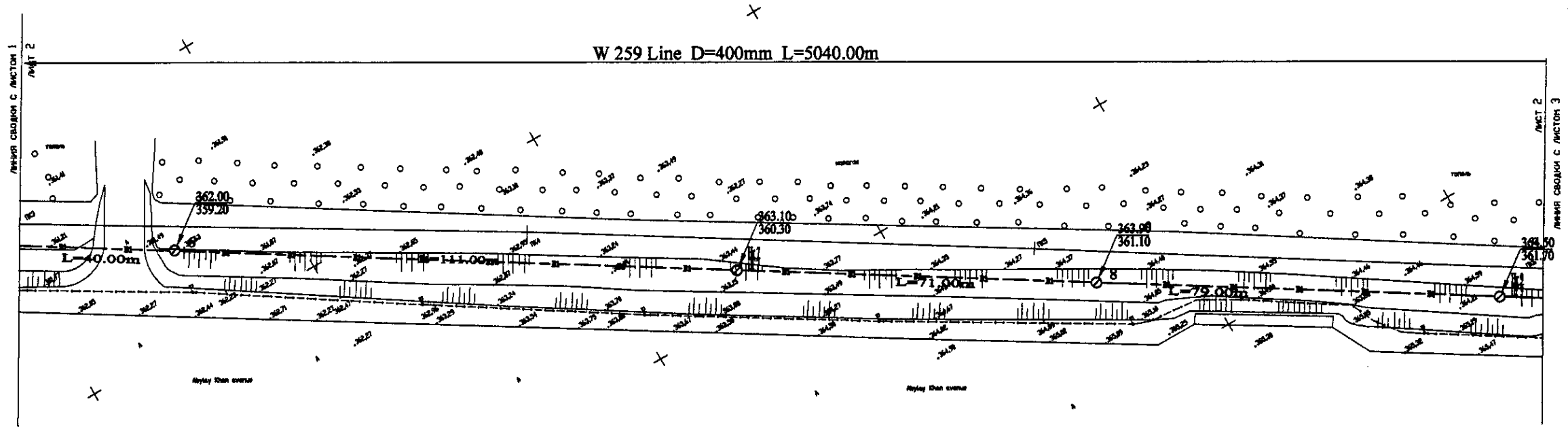
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | |
|---|--------------|-------|-------|-------|-------|-------|
| Ground Level, m Отметка земли, м | 364.8 | 364.9 | 364.3 | 364.9 | 364.8 | 364.7 |
| Pipe Invert Level Отметка низа трубы, м | 357.2 | 357.2 | 357.5 | 357.7 | 357.7 | 357.9 |
| Single Distance, m Расстояние участков, м | 8.8 | 27.8 | 64.8 | 44.8 | 24.8 | 26.8 |
| Cumulative Distance, m Всего расстояние, м | 8.8 | 27.8 | 92.6 | 137.4 | 162.2 | 189.0 |
| Station No. Номера участков | 1 | 2 | 3 | 4 | 5 | 6 |



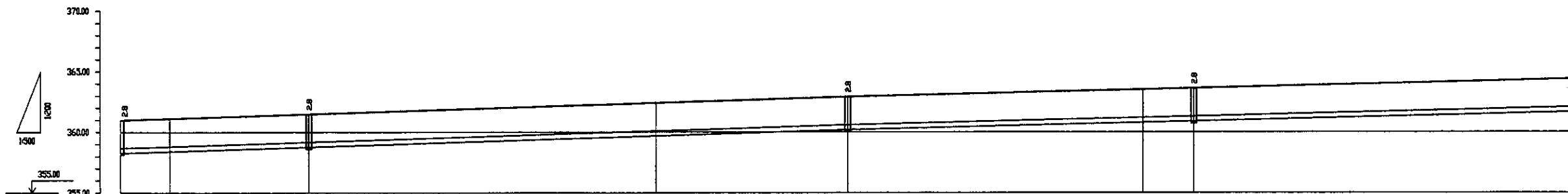
PROFILE
ПРОФИЛЬ

Approved/Согласовано
 Signature and Date of Issued/Подпись и дата
 Issue for work/Выдано для работ

| | | | | | | |
|--|---|---------------------------------------|--|---------------------------------------|--------------------------|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NINON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Stage/Этап Sheet/Лист Date/Дата | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W259 Распределительные сети W259 | Sheet No./Лист 1 | Sheet Total/Листов 18 | |
| | Chief Engineer of the Project/И.И.Момбе Designer/Т.Киганд Checked by/Проверено: | Date/Дата Date/Дата | Plan and Profile 1 План и Профиль 1 | W259-C-01 SCALE H 1:500 V 1:200 | | |

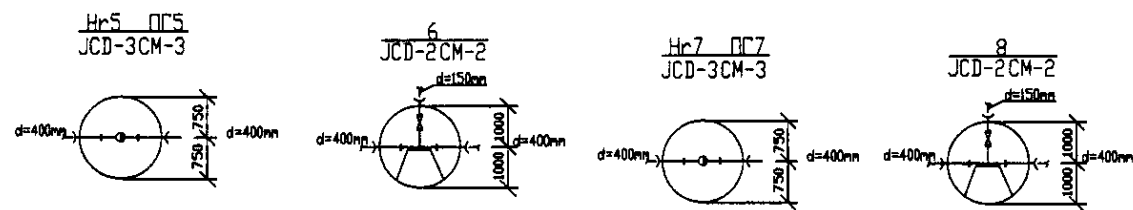


PLAN Scale 1:500
ПЛАН Шкала 1:500

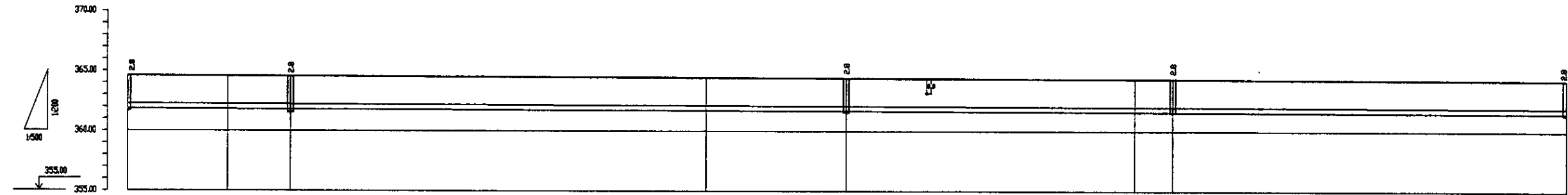
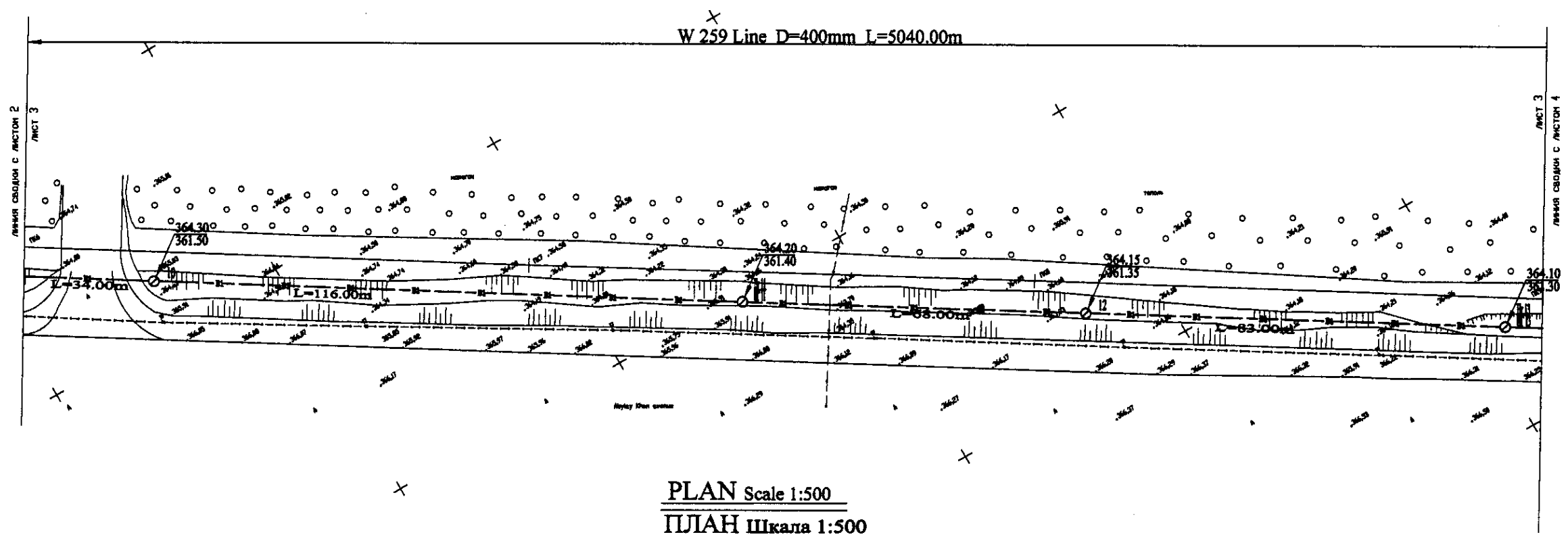


| Pipe Data Диаметр трубы, мм | DIP d=400 мм | | | | | |
|---|--------------|-------|-------|-------|-------|-------|
| Ground Level, м Отметка земли, м | 361.8 | 361.8 | 362.8 | 363.8 | 363.8 | 364.8 |
| Pipe Invert Level Отметка низа трубы, м | 359.8 | 359.8 | 360.8 | 361.8 | 361.8 | 362.8 |
| Single Distance, м Расстояние участков, м | 0.0 | 0.0 | 7.0 | 7.0 | 7.0 | 67.0 |
| Cumulative Distance, м Общее расстояние, м | 0.0 | 0.0 | 7.0 | 14.0 | 21.0 | 88.0 |
| Station No. Номера участков | П5 | № 1 | № 5 | П7 | № 6 | П9 |

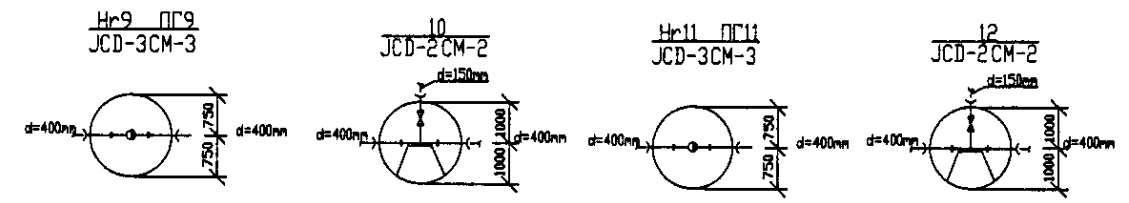
PROFILE
ПРОФИЛЬ



| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | | | | | | | | | | |
|--|---|---|------------|-------|---------------------------------------|-----------|-----------|-------|------------|--------------------|-------|-------|--------|
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | | | | | | | | | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 | | | | | | | | | | | |
| | NINON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W259 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Design/Drawn</th> <th>Check</th> <th>Scale</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Т.Кажарал</td> <td>Т.Кажарал</td> <td>1:500</td> <td>2010.08.10</td> </tr> </tbody> </table> | | Design/Drawn | Check | Scale | Date | Т.Кажарал | Т.Кажарал | 1:500 | 2010.08.10 | Plan and Profile 2 | Stage | Sheet | Sheets |
| Design/Drawn | Check | Scale | Date | | | | | | | | | | |
| Т.Кажарал | Т.Кажарал | 1:500 | 2010.08.10 | | | | | | | | | | |
| | | План и Профиль 2 | 2 | 18 | W259-C-02 SCALE H 1:500 V 1:500 | | | | | | | | |

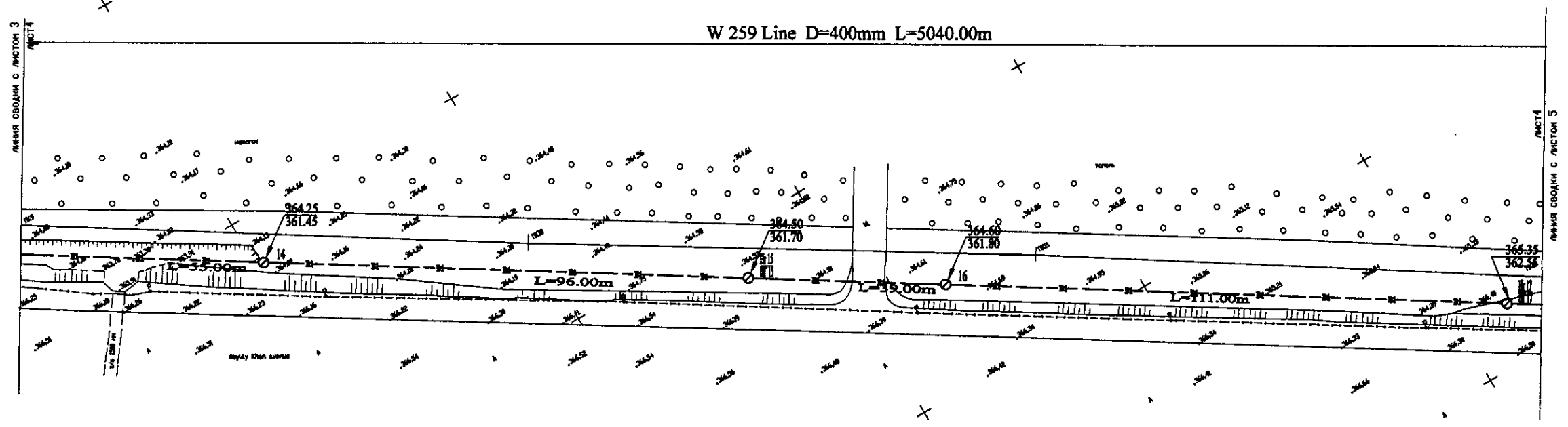


| Pipe Data Данные о трубах | | DIP d=400 mm | | | | | | | | | |
|---|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | | 364.30 | 364.30 | 364.30 | 364.25 | 364.20 | 364.15 | 364.15 | 364.15 | 364.10 | 364.10 |
| Pipe Invert Level Отметка низа трубы, м | | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 | 364.10 |
| Single Distance, m Расстояние участков, м | | 34.00 | 82.00 | 138.00 | 87.00 | 78.00 | 68.00 | 88.00 | 83.00 | 83.00 | 83.00 |
| Cumulative Distance, m Общее расстояние, м | | 34.00 | 116.00 | 254.00 | 341.00 | 419.00 | 487.00 | 555.00 | 638.00 | 721.00 | 804.00 |
| Station No. Номера участков | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

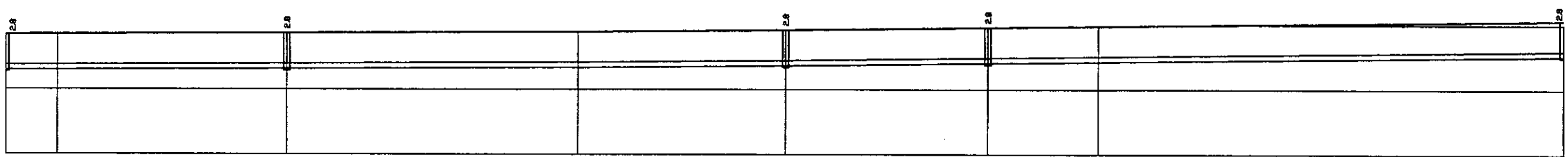
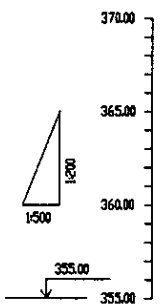


PROFILE
ПРОФИЛЬ

| | | | | |
|--|---|---|-------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 | | |
| | NISHI SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W259 | | |
| | | Scale | Sheet | Sheets |
| | | 1:500 | 3 | 18 |
| | | Plan and Profile 3 | | |
| | | W259-C-03 | | |
| | | SCALE 1:500 | | |
| | | v 1/200 | | |

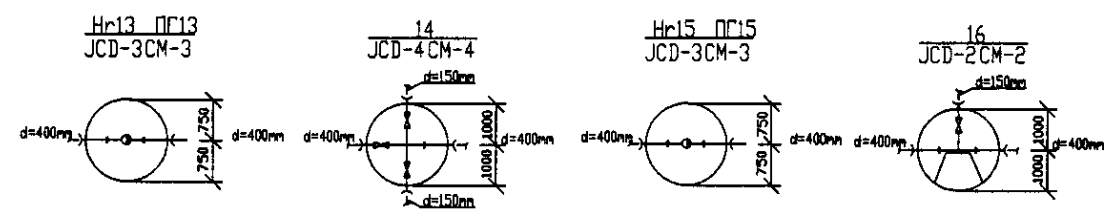


PLAN Scale 1:500
ПЛАН Шкала 1:500



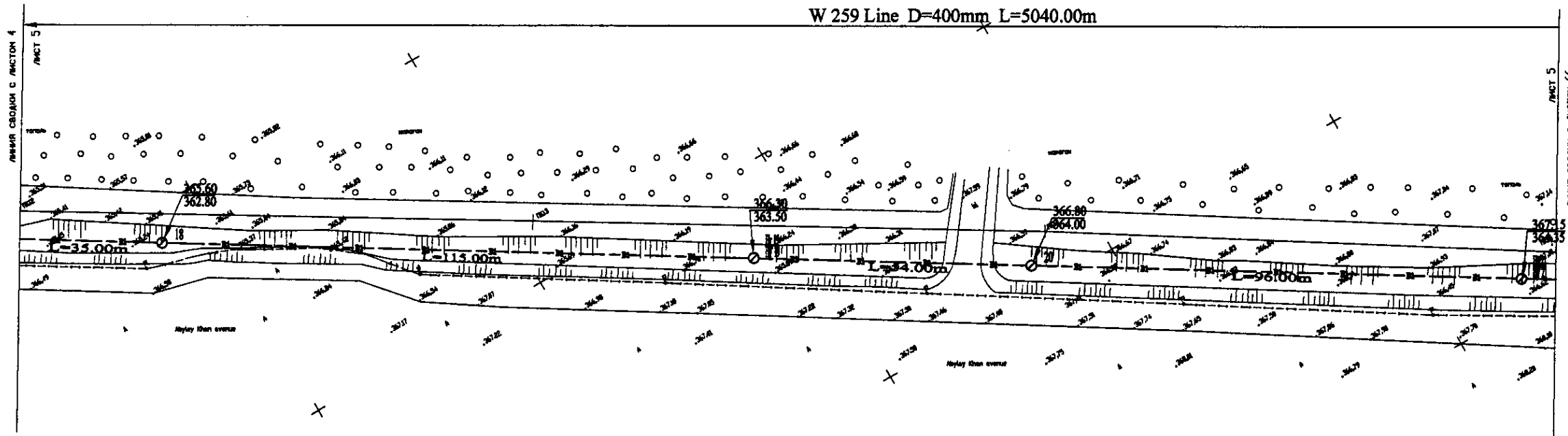
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| Ground Level, m Отметка земли, м | 364.8 | 364.2 | 364.25 | 364.2 | 364.5 | 364.5 | 364.4 | 364.5 | 364.5 | 364.5 |
| Pipe Invert Level Отметка низа трубы, м | 363.8 | 363.5 | 363.5 | 363.5 | 363.7 | 363.8 | 363.8 | 363.5 | 363.5 | 363.5 |
| Single Distance, m Расстояние между колодцами, м | 60.0 | 5.0 | 45.0 | 51.0 | 42.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| Cumulative Distance, m Всего расстояние, м | 0.0 | 65.0 | 110.0 | 161.0 | 203.0 | 241.0 | 279.0 | 317.0 | 355.0 | 393.0 |
| Station No. Номера колодцев | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

PROFILE
ПРОФИЛЬ

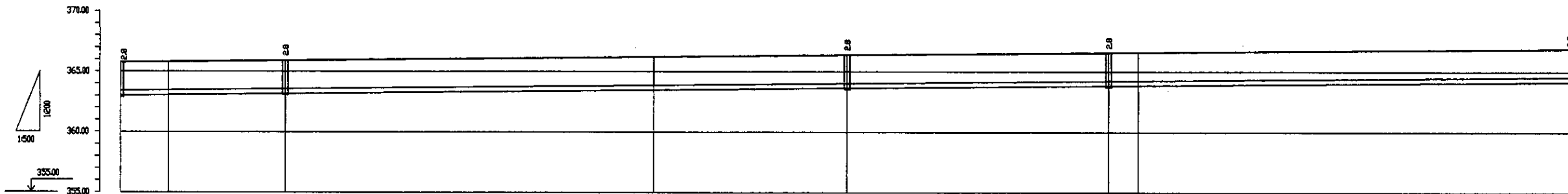


| | | | | |
|--------------------------------------|---|--|--|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 | | |
| | NISHIN SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W259 | | |
| Stage: 4 Sheet: 4 Sheet No: 18 | | Plan and Profile 4 W259-C-04 SCALE H 1:500 V 1:800 | | |

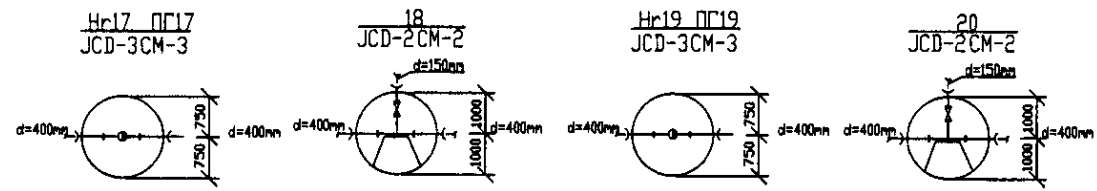
W 259 Line D=400mm L=5040.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500

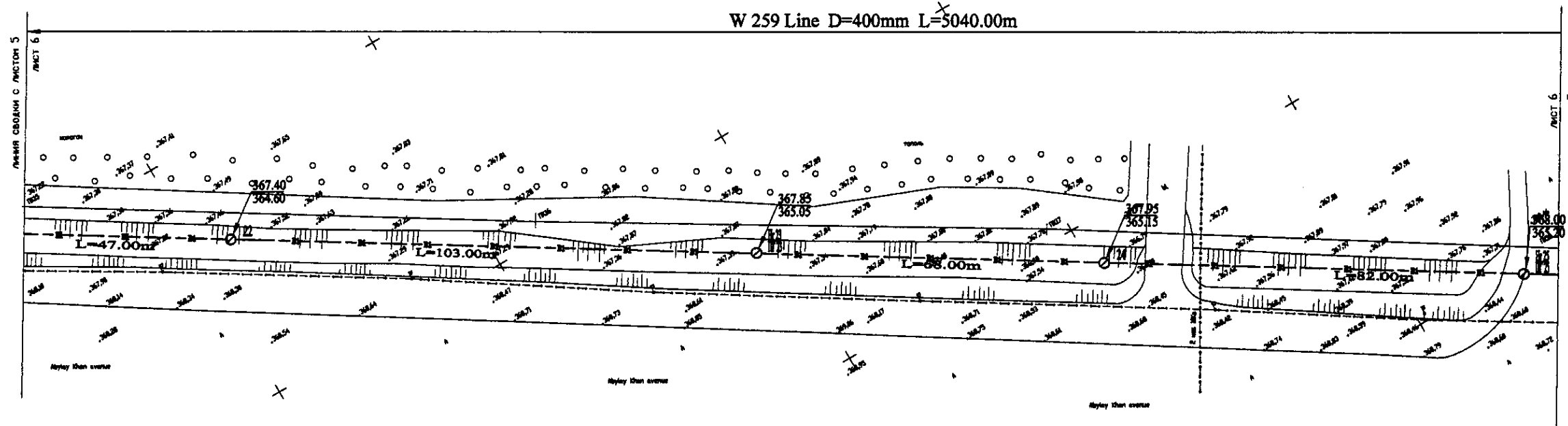


| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 362.80 | 363.30 | 363.50 | 364.00 | 363.30 | 364.00 | 364.00 | 364.00 | 364.00 | 364.00 | 364.00 |
| Pipe Invert Level Отметка низа трубы, м | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 | 362.50 |
| Single Distance, m Расстояние участков, м | 35.00 | 80.00 | 27.00 | 70.00 | 62.00 | 34.00 | 1.00 | 98.00 | 34.00 | 98.00 | 34.00 |
| Cumulative Distance, m Общее расстояние, м | 0.00 | 35.00 | 115.00 | 152.00 | 214.00 | 276.00 | 277.00 | 375.00 | 376.00 | 474.00 | 508.00 |
| Station No. Номера участков | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |

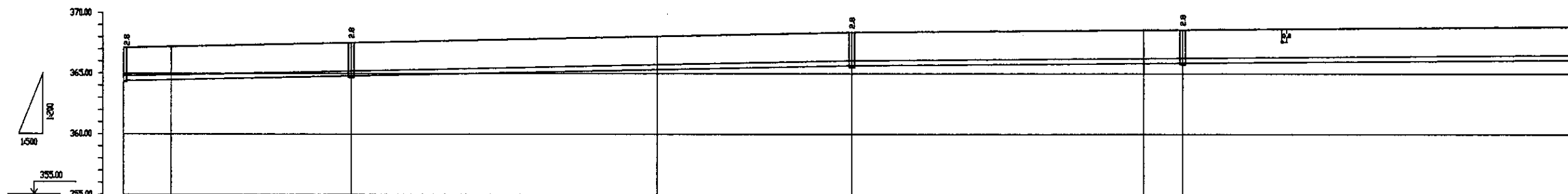


PROFILE
ПРОФИЛЬ

| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | | | | | | | | | | | | | |
|--------------------|---|---|---|-------|-------|--------|---|---|----|---|-------|-------|--------|-------|---|----|
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | | | | | | | | | | | | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 | | | | | | | | | | | | | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W259 | | | | | | | | | | | | | | |
| | Designed by T. Yamashita | Checked by D. Yamashita | <table border="1"> <tr> <th>Stage</th> <th>Sheet</th> <th>Sheets</th> </tr> <tr> <td>5</td> <td>5</td> <td>18</td> </tr> </table> | Stage | Sheet | Sheets | 5 | 5 | 18 | <table border="1"> <tr> <th>Scale</th> <th>Sheet</th> <th>Sheets</th> </tr> <tr> <td>1:500</td> <td>5</td> <td>18</td> </tr> </table> | Scale | Sheet | Sheets | 1:500 | 5 | 18 |
| Stage | Sheet | Sheets | | | | | | | | | | | | | | |
| 5 | 5 | 18 | | | | | | | | | | | | | | |
| Scale | Sheet | Sheets | | | | | | | | | | | | | | |
| 1:500 | 5 | 18 | | | | | | | | | | | | | | |
| Plan and Profile 5 | | W259-C-05 | | | | | | | | | | | | | | |
| План и Профиль 5 | | SCALE H 1:500 | | | | | | | | | | | | | | |

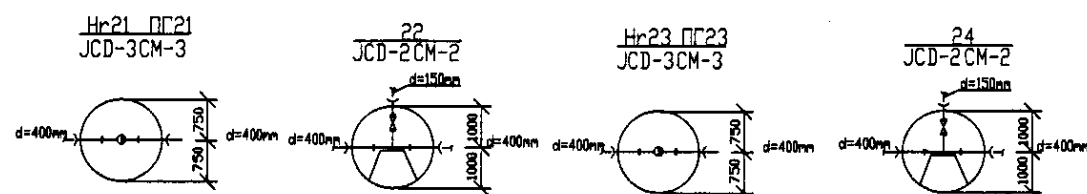


PLAN Scale 1:500
ПЛАН Шкала 1:500

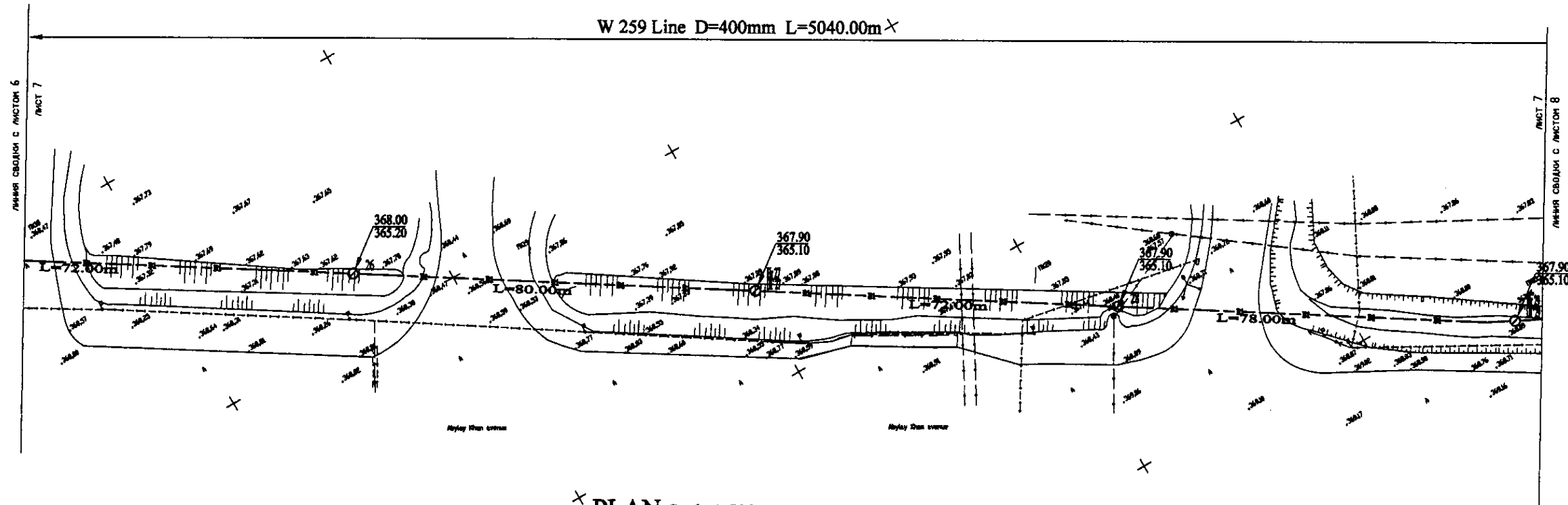


| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 367.15 | 367.15 | 367.18 | 367.78 | 367.85 | 367.95 | 367.95 | 367.95 | 368.88 | 368.88 |
| Pipe Invert Level Отметка низа трубы, м | 364.35 | 362.15 | 364.68 | 363.28 | 365.85 | 365.15 | 365.15 | 365.15 | 365.28 | 365.28 |
| Single Distance, m Расстояние участков, м | 50.0 | 10.0 | 77.0 | 63.0 | 48.0 | 68.0 | 8.0 | 82.0 | | |
| Cumulative Distance, m Общее расстояние, м | 147.00 | 157.00 | 234.00 | 297.00 | 345.00 | 413.00 | 421.00 | 503.00 | 585.00 | 667.00 |
| Station No. Номера участков | 1721 | 18 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

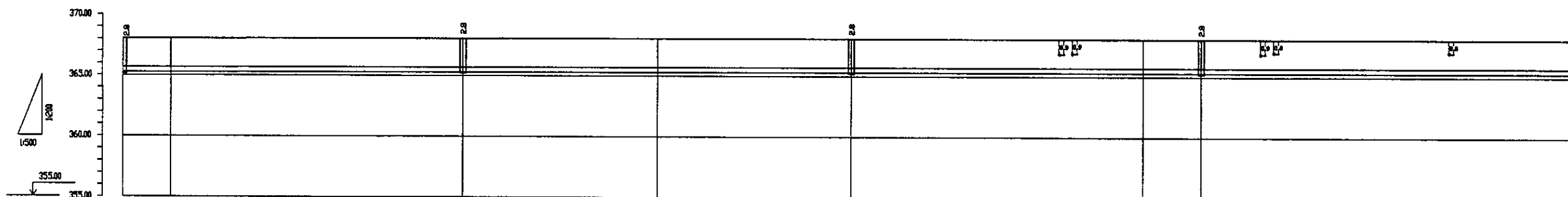
PROFILE
ПРОФИЛЬ



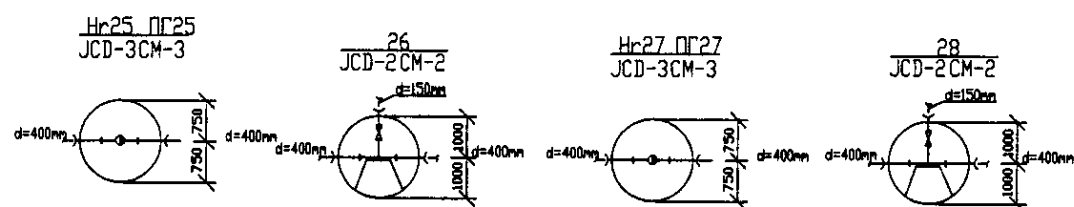
| | | | | |
|--|---|---|---------------------------|---------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Designed by T. Kiyoshige | Checked by S. Yamamoto | Stage Sheet 6 |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Checked by T. Yamamoto | Scale 1:500 | Sheet 18 |



PLAN Scale 1:500
ПЛАН Шкала 1:500



| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | | |
|---|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 |
| Pipe Invert Level Отметка низа трубы, м | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 | 363.3 |
| Single Distance, m Расстояние участков, м | 17.00 | 8.00 | 17.00 | 8.00 | 17.00 | 8.00 | 17.00 | 8.00 | 17.00 | 8.00 | 17.00 |
| Cumulative Distance, m Всего расстояние, м | 17.00 | 25.00 | 42.00 | 50.00 | 67.00 | 75.00 | 92.00 | 100.00 | 117.00 | 125.00 | 142.00 |
| Station No. Номера участков | 17 | 25 | 42 | 50 | 67 | 75 | 92 | 100 | 117 | 125 | 142 |

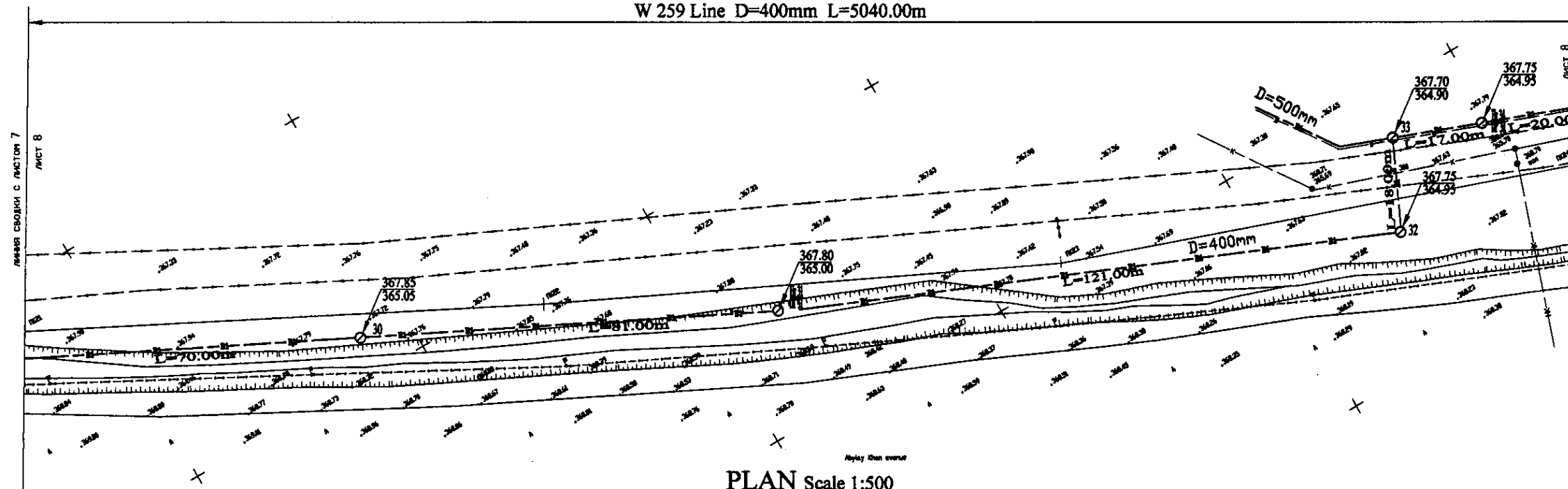


PROFILE
ПРОФИЛЬ

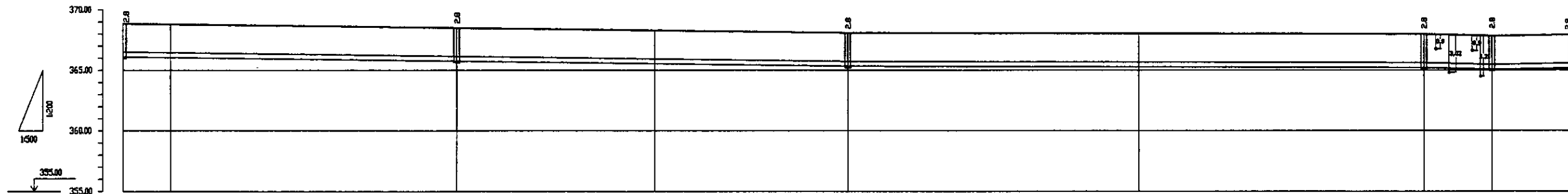
Project Name: ASTANA WATER SUPPLY AND SEWERAGE PROJECT
 Project No.: W259-C-07
 Sheet No.: 7
 Scale: 1:500

| | | | | |
|--|---|--|---|------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JICA JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W259 Распределительные сети W259 Plan and Profile 7 План и Профиль 7 | Stage: 7 Sheet: 7 Sheets: 18 W259-C-07 SCALE 1:500 V.18.00 | |
| | Chief Engineer: M. M. M. M. Deputy: T. K. K. K. Designer: T. K. K. K. Checked by: T. K. K. K. | Date: 2018.08.01 | Scale: 1:500 | Date: 2018.08.01 |
| | Project No.: W259-C-07 | Sheet No.: 7 | Total Sheets: 18 | Scale: 1:500 |
| | Project Name: ASTANA WATER SUPPLY AND SEWERAGE PROJECT | Project No.: W259-C-07 | Sheet No.: 7 | Scale: 1:500 |

W 259 Line D=400mm L=5040.00m

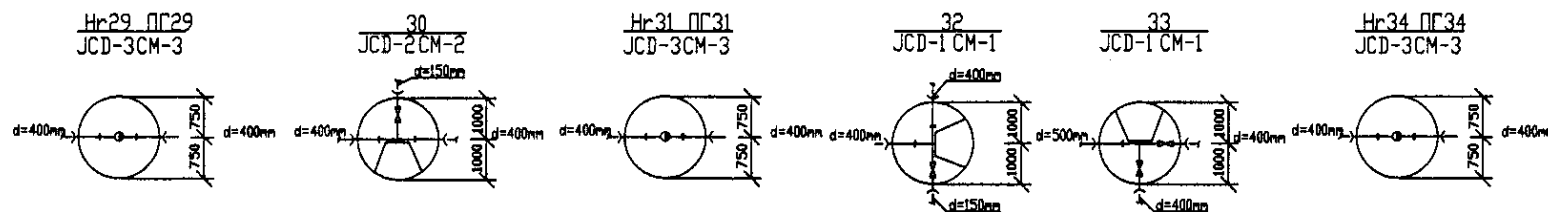


PLAN Scale 1:500
ПЛАН Шкала 1:500

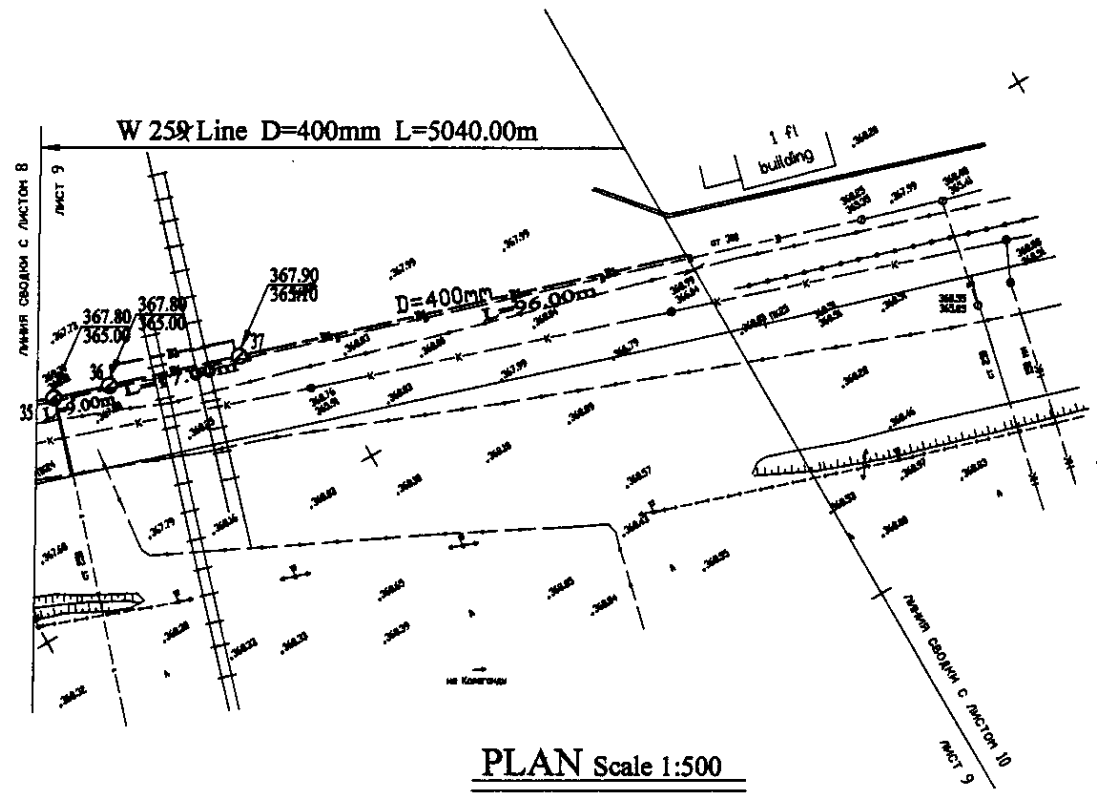


| Pipe Data Данные о трубах | | DIP d=400 mm | | | | | | | | | |
|---|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | | 367.78 | 367.78 | 367.75 | 367.72 | 367.68 | 367.67 | 367.77 | 367.75 | 367.78 | 367.75 |
| Pipe Invert Level Отметка низа трубы, м | | 363.38 | 363.38 | 363.05 | 363.05 | 363.58 | 363.57 | 364.95 | 364.95 | 364.95 | 364.95 |
| Single Distance, m Расстояние участков, м | | 70.00 | 8.00 | 63.00 | 36.00 | 43.00 | 57.00 | 64.00 | 18.00 | 17.00 | |
| Cumulative Distance, m Общее расстояние, м | | 0.00 | 70.00 | 133.00 | 169.00 | 212.00 | 269.00 | 333.00 | 351.00 | 368.00 | 385.00 |
| Station No. Номера участков | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

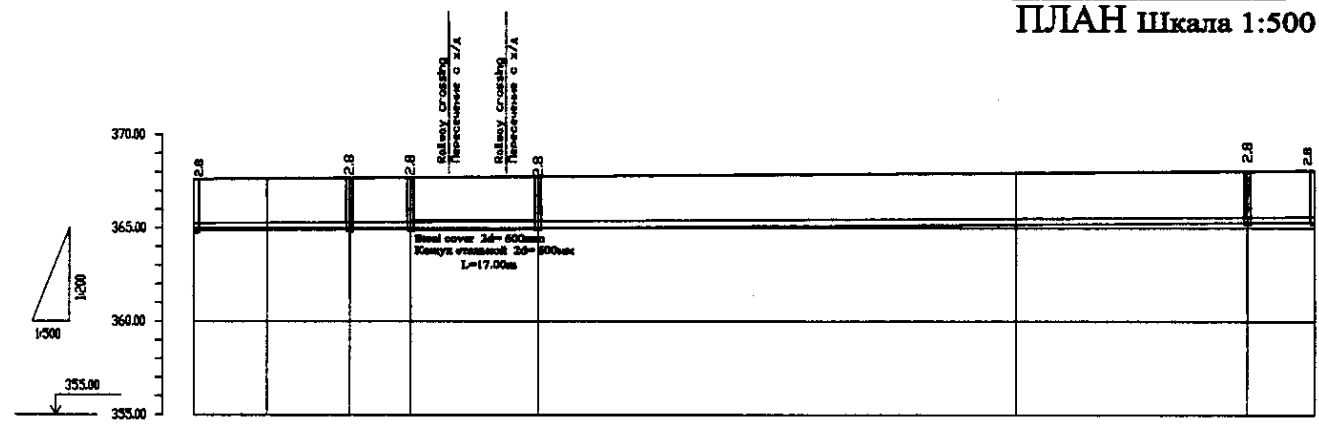
PROFILE
ПРОФИЛЬ



| | | | | |
|--|---|---|-----------------------------------|----------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | Distribution Pipeline W259 Распределительные сети W259 | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Designed by Исполнено Д.Аманжол | Checked by Проверен М.Маман | Date Дата 2010 |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Plan and Profile 8 План и Профиль 8 | Stage Лист 8 | Sheet Лист 18 |

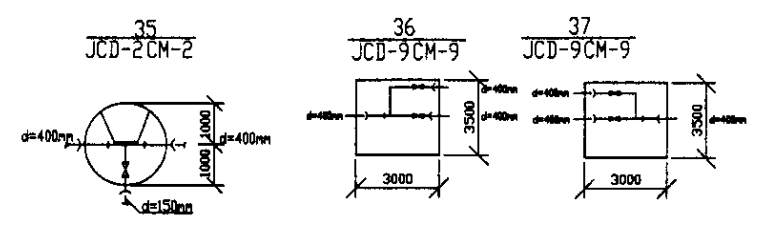


PLAN Scale 1:500
ПЛАН Шкала 1:500



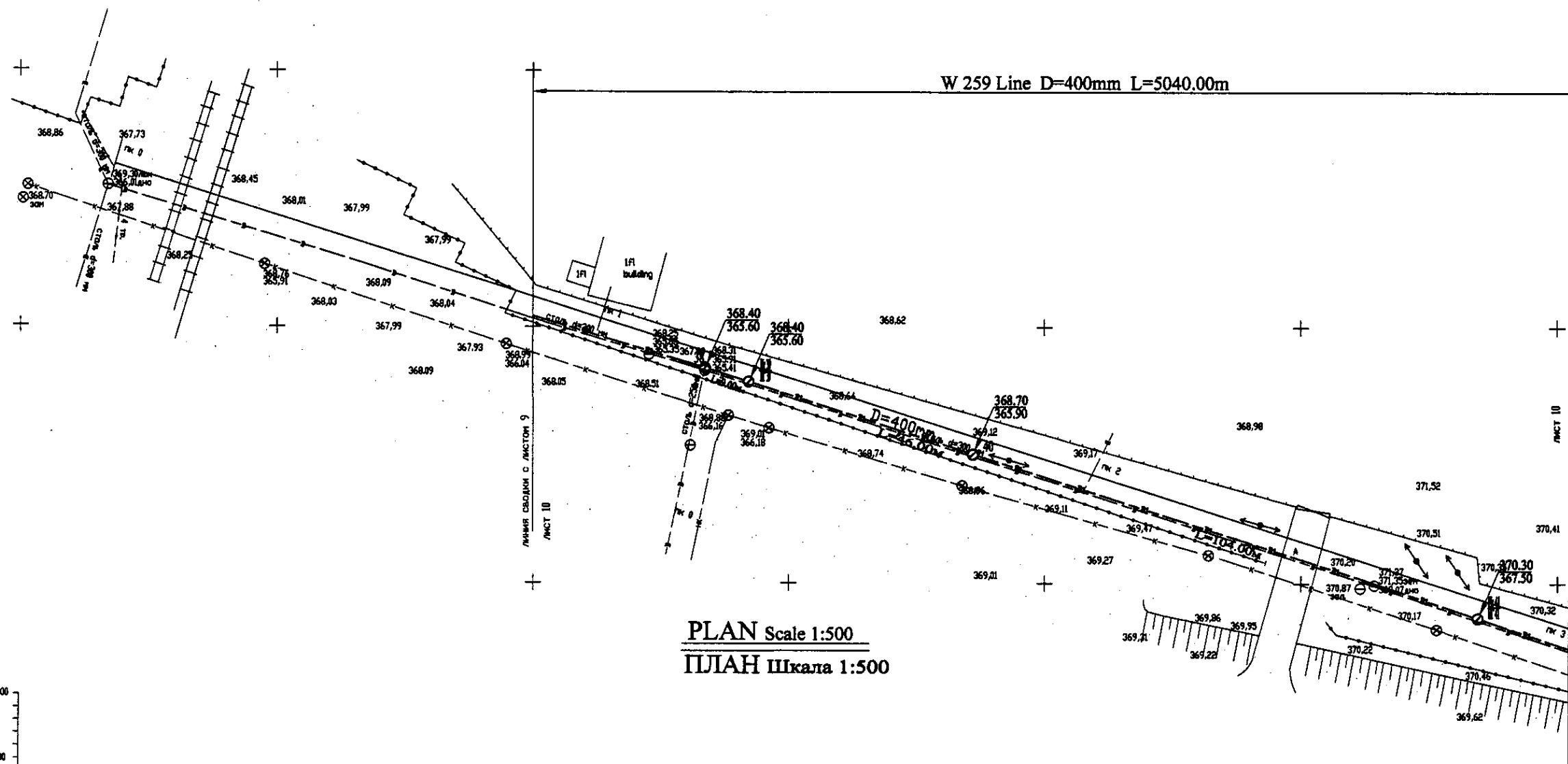
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 367.72 | 367.77 | 367.78 | 367.88 | 367.98 | 368.08 | 368.18 | 368.28 | 368.38 | 368.48 |
| Pipe Invert Level Отметка низа трубы, м | 364.05 | 364.07 | 364.08 | 364.08 | 364.08 | 364.08 | 364.08 | 364.08 | 364.08 | 364.08 |
| Single Distance, m Расстояние участков, м | 17.00 | 11.00 | 1.00 | 1.00 | 17.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| Cumulative Distance, m Общее расстояние, м | 17.00 | 28.00 | 29.00 | 30.00 | 47.00 | 57.00 | 67.00 | 77.00 | 87.00 | 97.00 |
| Station No. Номера участков | 17.24 | 28.24 | 29.24 | 30.24 | 47.24 | 57.24 | 67.24 | 77.24 | 87.24 | 97.24 |

PROFILE
ПРОФИЛЬ

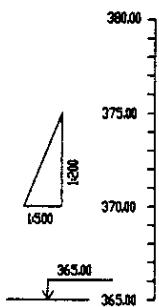


Approved/Согласовано
 Design and Drawings
 Checked/Проверено
 327

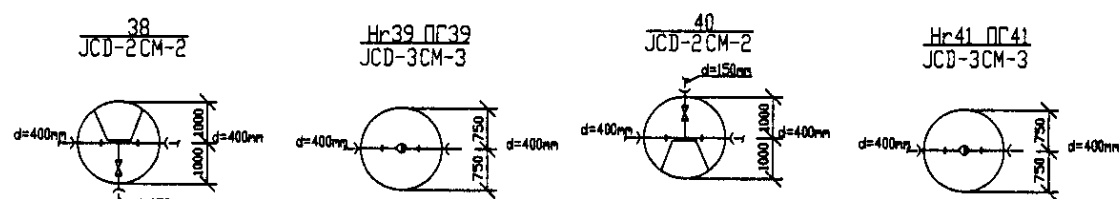
| | | | | | | |
|--|--|--|--|------------------------------|---------------------------------------|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NISHIN SUIDO CONSULTANTS CO.,LTD.-JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W259 Распределительные сети W259 Plan and Profile 9 План и Профиль 9 | Stage Лист 9 | Sheet Лист 9 | Sheets Листы 18 | |
| | Chief Engineer of the Project/Ген. Director T. Kiguchi T. Kiguchi | M. Mamonov M. Mamonov T. Kiguchi T. Kiguchi | Design Checked by: Designer Checked by: | Date Date Date Date | W259-C-09 SCALE H 1:500 V 1:400 | |
| | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W259 Распределительные сети W259 Plan and Profile 9 План и Профиль 9 | | | | | |
| | W259-C-09 SCALE H 1:500 V 1:400 | | | | | |



PLAN Scale 1:500
ПЛАН Шкала 1:500

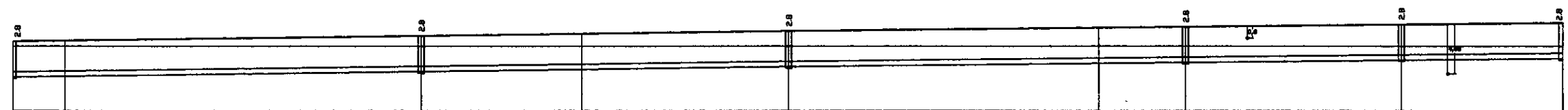
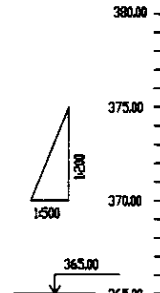
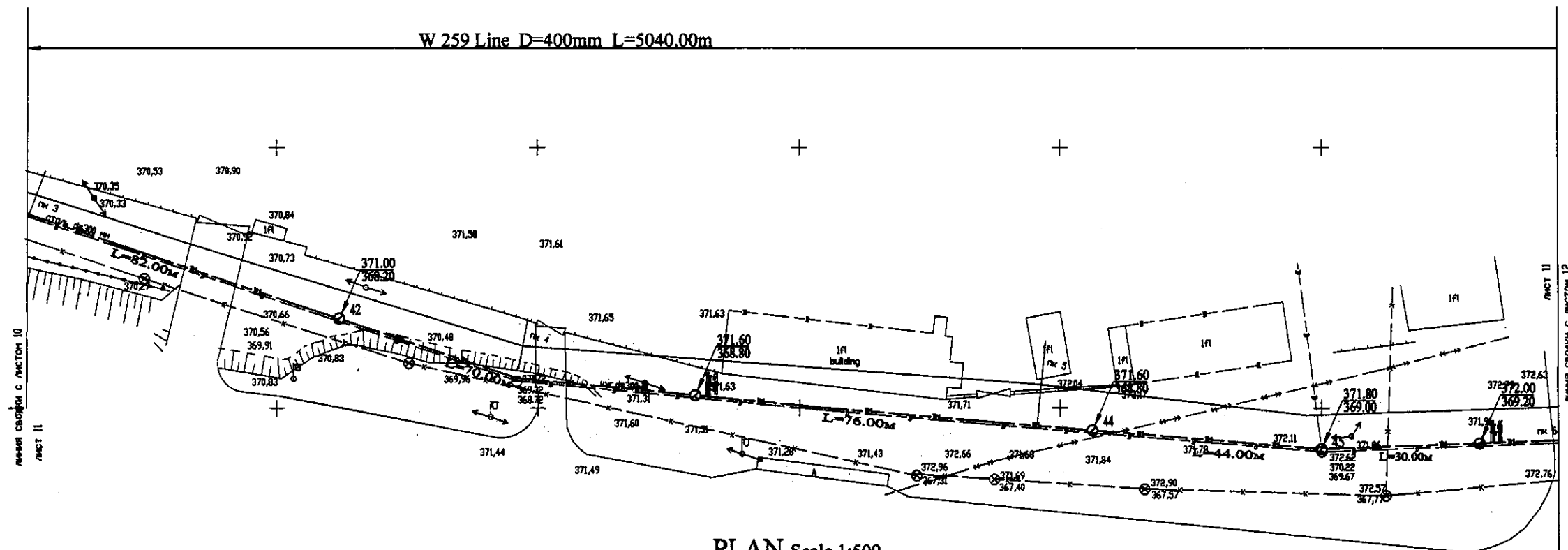


| Pipe Data Данные о трубах | | | |
|---|--------|--------|--------|
| Ground Level, m Отметка земли, м | 368.45 | 368.04 | 370.32 |
| Pipe Invert Level Отметка низа трубы, м | 365.91 | 365.50 | 367.28 |
| Single Distance, m Расстояние между колодцами, м | 46.8 | 14.8 | 94.8 |
| Cumulative Distance, m Общая дистанция, м | 46.8 | 93.6 | 188.4 |
| Station No. Номера колодцев | № 38 | № 39 | № 41 |



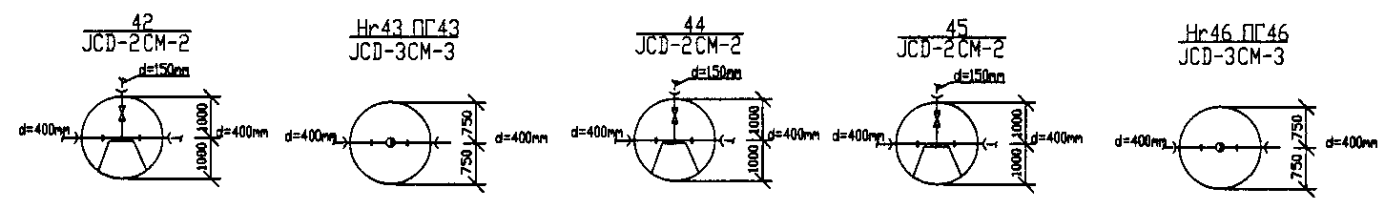
PROFILE
ПРОФИЛЬ

| | | | | | |
|--|---|---|-------------------------------------|-------------|--------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NISHI SUIDO CONSULTANTS CO.,LTD.-JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | Stage 10 | Sheet 10 | Sheets 18 |
| | Distribution Pipeline W259 Распределительные сети W259 | Plan and Profile 10 План и Профиль 10 | W259-C-10 SCALE 1:1000 V 1000 | | |



| Pipe Data Диаметр труб | Ground Level, m Отметка земли, м | Pipe Invert Level Отметка низа трубы, м | Single Distance, m Расстояние отметок, м | Cumulative Distance, m Общее расстояние, м | Station No. Номера отметок |
|---------------------------|-------------------------------------|--|---|---|-------------------------------|
| | 378.3 | 367.3 | 38.0 | 38.0 | ПК 1 |
| | 378.8 | 367.8 | 38.0 | 76.0 | ПК 2 |
| | 378.84 | 368.2 | 72.0 | 148.0 | ПК 3 |
| | 378.73 | 368.3 | 28.0 | 176.0 | ПК 4 |
| | 371.00 | 368.3 | 42.0 | 218.0 | ПК 5 |
| | 371.58 | 368.3 | 42.0 | 260.0 | ПК 6 |
| | 371.61 | 368.3 | 42.0 | 302.0 | ПК 7 |
| | 371.65 | 368.3 | 42.0 | 344.0 | ПК 8 |
| | 371.63 | 368.3 | 42.0 | 386.0 | ПК 9 |
| | 371.71 | 368.3 | 42.0 | 428.0 | ПК 10 |
| | 371.84 | 368.3 | 42.0 | 470.0 | ПК 11 |
| | 372.66 | 368.3 | 42.0 | 512.0 | ПК 12 |
| | 372.96 | 368.3 | 42.0 | 554.0 | ПК 13 |
| | 372.68 | 368.3 | 42.0 | 596.0 | ПК 14 |
| | 372.11 | 368.3 | 42.0 | 638.0 | ПК 15 |
| | 372.57 | 368.3 | 42.0 | 680.0 | ПК 16 |
| | 372.76 | 368.3 | 42.0 | 722.0 | ПК 17 |

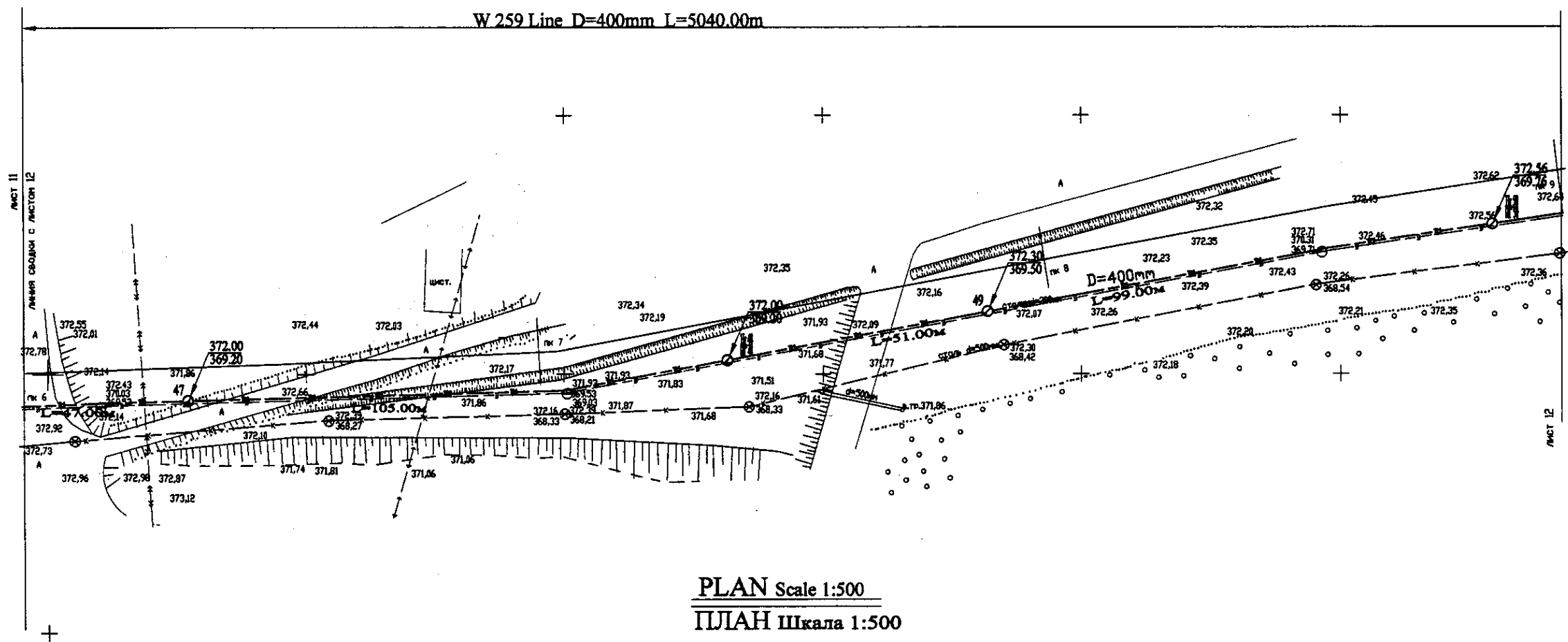
| DIP d=400 mm | |
|--------------|--------|
| 378.3 | 378.8 |
| 371.00 | 371.58 |
| 371.61 | 371.65 |
| 371.63 | 371.71 |
| 371.84 | 372.66 |
| 372.96 | 372.68 |
| 372.11 | 372.57 |
| 372.76 | |



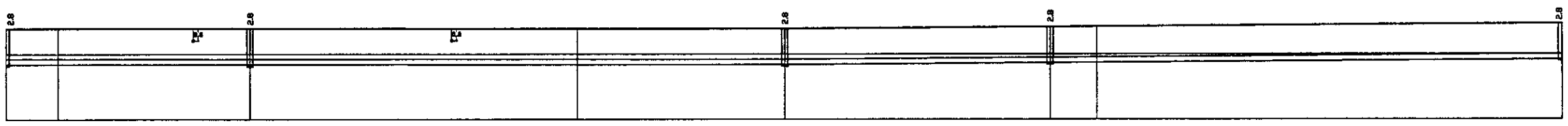
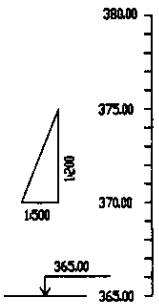
Method original Signature and No. instead of seal. No. 100. 1000.

| | | | | | |
|------------------------------------|--|---|-------|-------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W259 Распределительные сети W259 Plan and Profile 11 План и Профиль 11 | Stage | Sheet | Sheets |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | 11 | 18 | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | | | |
| | NISHIN SUIIDO CONSULTANTS CO.,LTD.-JAPAN | | | | |
| W259-C-11 SCALE 1:500 V.1800 | | | | | |

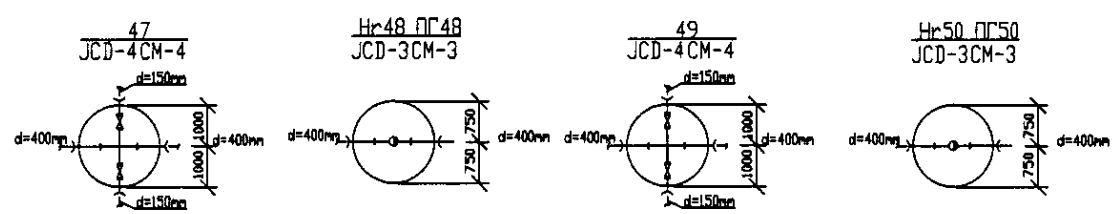
W 259 Line D=400mm L=5040.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500

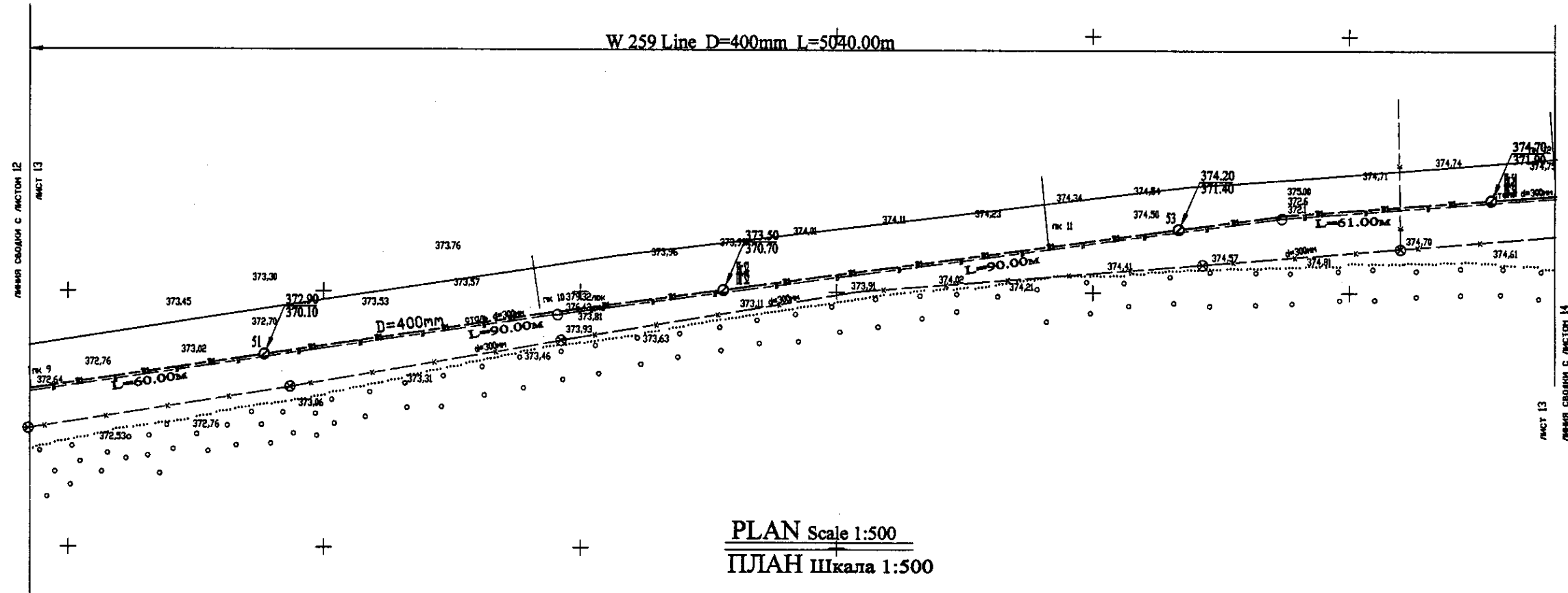


| Pipe Data Данные о трубах | DIP d=400 mm | | | | | |
|---|--------------|---------|---------|---------|---------|---------|
| Ground Level, m Отметка земли, м | 372.55 | 372.01 | 372.00 | 372.44 | 372.03 | 372.34 |
| Pipe Invert Level Отметка низа трубы, м | 369.20 | 368.27 | 368.33 | 368.21 | 368.33 | 368.21 |
| Single Distance, m Расстояние участков, м | 30.00 | 0.00 | 30.00 | 0.00 | 44.00 | 51.00 |
| Cumulative Distance, m Общее расстояние, м | 2962.00 | 3000.00 | 3030.00 | 3030.00 | 3074.00 | 3125.00 |
| Station No. Номера участков | 46 | 47 | 48 | 49 | 50 | 51 |

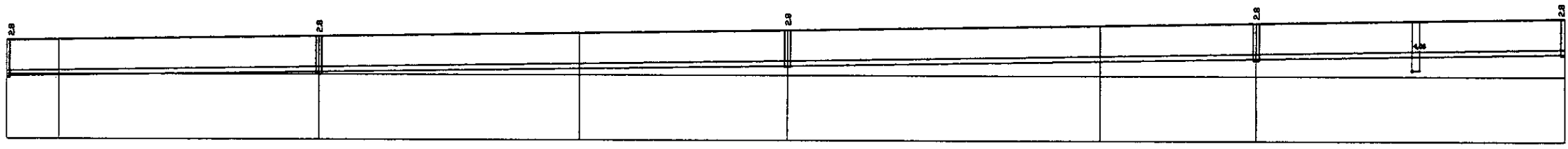
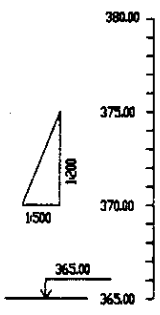


PROFILE
ПРОФИЛЬ

| | | | | |
|---|--|--|----------------|------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W259 | | |
| Chief Engineer of the Project/Ген. Инж. Проекта: [Signature] Designer/Проектировщик: [Signature] Checked by/Проверен: [Signature] | | Stage/Этап: 12 | Sheet/Лист: 12 | Sheets/Листы: 18 |
| Plan and Profile 12 | | W259-C-12 SCALE 1:500 V.1800 | | |

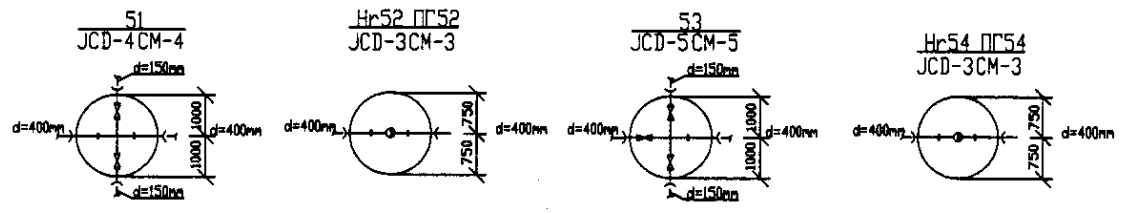


PLAN Scale 1:500
ПЛАН Шкала 1:500



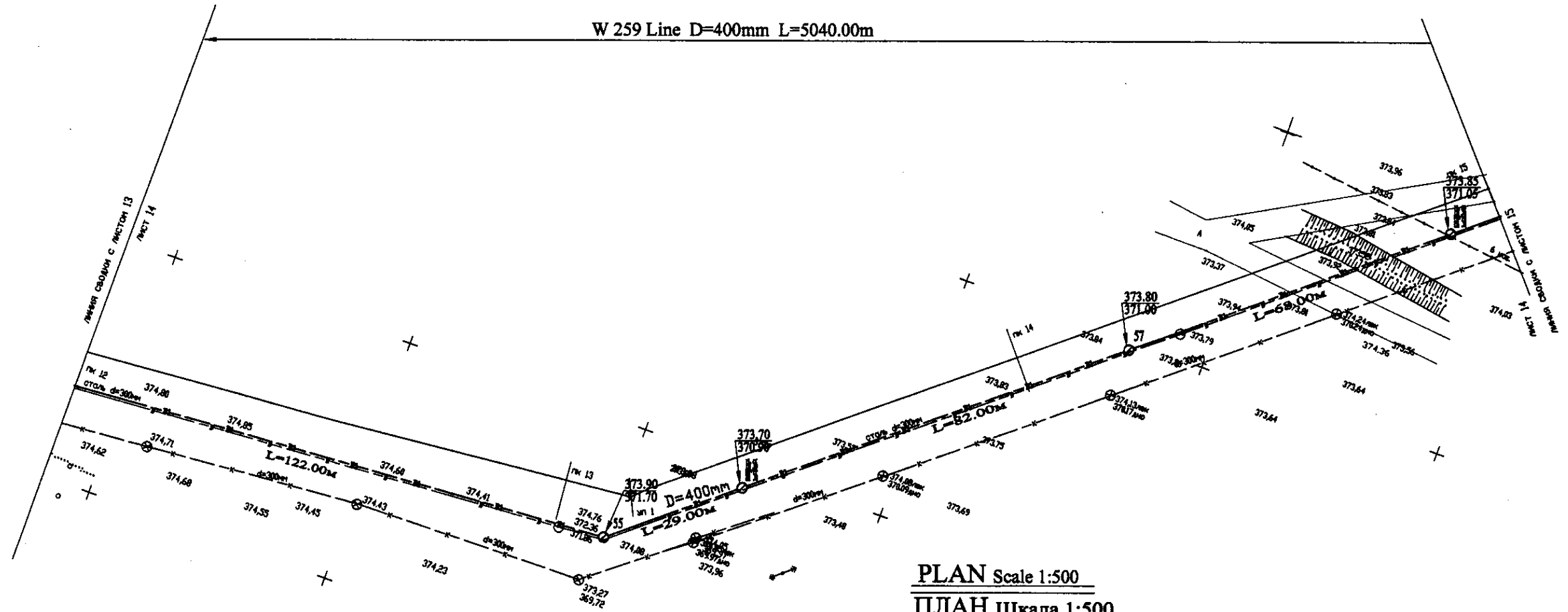
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 372.56 | 372.78 | 372.98 | 373.18 | 373.38 | 373.58 | 373.78 | 373.98 | 374.18 | 374.38 |
| Pipe Invert Level Отметка низа трубы, м | 369.76 | 369.98 | 370.18 | 370.38 | 370.58 | 370.78 | 370.98 | 371.18 | 371.38 | 371.58 |
| Single Distance, m Расстояние участков, м | 34.00 | 4.00 | 34.00 | 4.00 | 34.00 | 4.00 | 34.00 | 4.00 | 34.00 | 34.00 |
| Cumulative Distance, m Общее расстояние, м | 34.00 | 38.00 | 72.00 | 76.00 | 110.00 | 114.00 | 148.00 | 152.00 | 186.00 | 220.00 |
| Station No. Номера участков | ПК 9 | ПК 10 | ПК 11 | ПК 12 | ПК 13 | ПК 14 | ПК 15 | ПК 16 | ПК 17 | ПК 18 |

PROFILE
ПРОФИЛЬ

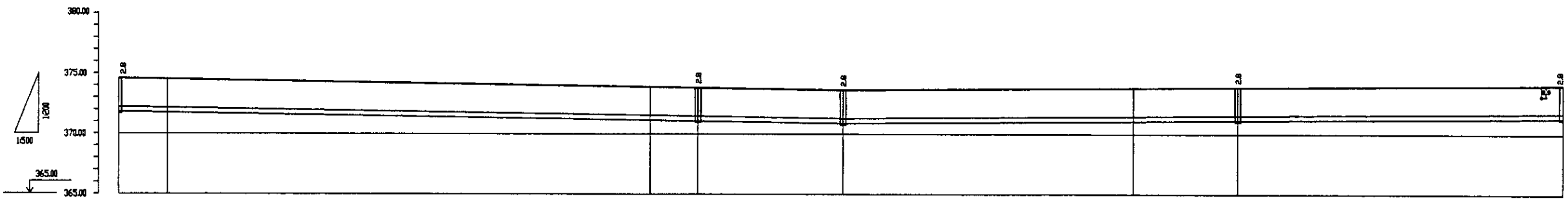


| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--------------------------------------|-----------------|----------|-----------|-----------|------|---------|--------|------|----------|---------|------|------------------------------------|--------------|--|--|--|--|----------|-------------|--|--|--|--|-------------|-----------|--|--|--|--|------------|-----------|--|--|--|--|----------|--|--|--|--|--|---|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | <table border="1"> <tr> <td>Design</td> <td>Quantity</td> <td>Sheet</td> <td>Des. No.</td> <td>Signature</td> <td>Date</td> </tr> <tr> <td>Исполн.</td> <td>Кол-во</td> <td>Лист</td> <td>№проект.</td> <td>Подпись</td> <td>Дата</td> </tr> <tr> <td>Chief Engineer of the Project/JICA</td> <td>M. M. Muroga</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Director</td> <td>T. K. Agard</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Designed by</td> <td>T. Yamada</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Checked by</td> <td>D. Muroga</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Approved</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | Design | Quantity | Sheet | Des. No. | Signature | Date | Исполн. | Кол-во | Лист | №проект. | Подпись | Дата | Chief Engineer of the Project/JICA | M. M. Muroga | | | | | Director | T. K. Agard | | | | | Designed by | T. Yamada | | | | | Checked by | D. Muroga | | | | | Approved | | | | | | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" |
| | Design | | Quantity | Sheet | Des. No. | Signature | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Исполн. | | Кол-во | Лист | №проект. | Подпись | Дата | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chief Engineer of the Project/JICA | | M. M. Muroga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Director | T. K. Agard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Designed by | T. Yamada | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Checked by | D. Muroga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Approved | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | Distribution Pipeline W259 Распределительные сети W259 | Stage Лист | Sheet Лист | Sheets Листы | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NJS CONSULTANTS CO., LTD. - JAPAN | Plan and Profile 13 План и Профиль 13 | 13 | 13 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NIMON SUIDO CONSULTANTS CO., LTD. - JAPAN | | | W259-C-13 SCALE 1:1000 V 14200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

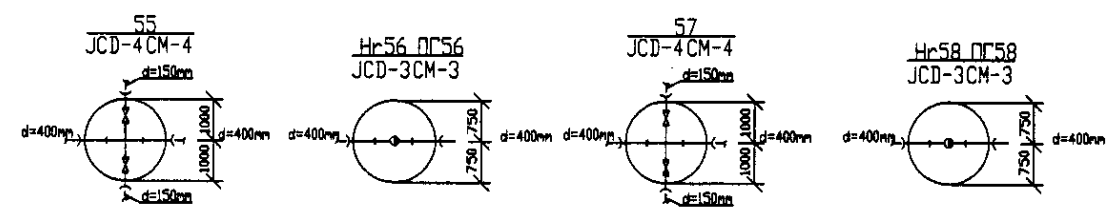
W 259 Line D=400mm L=5040.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500



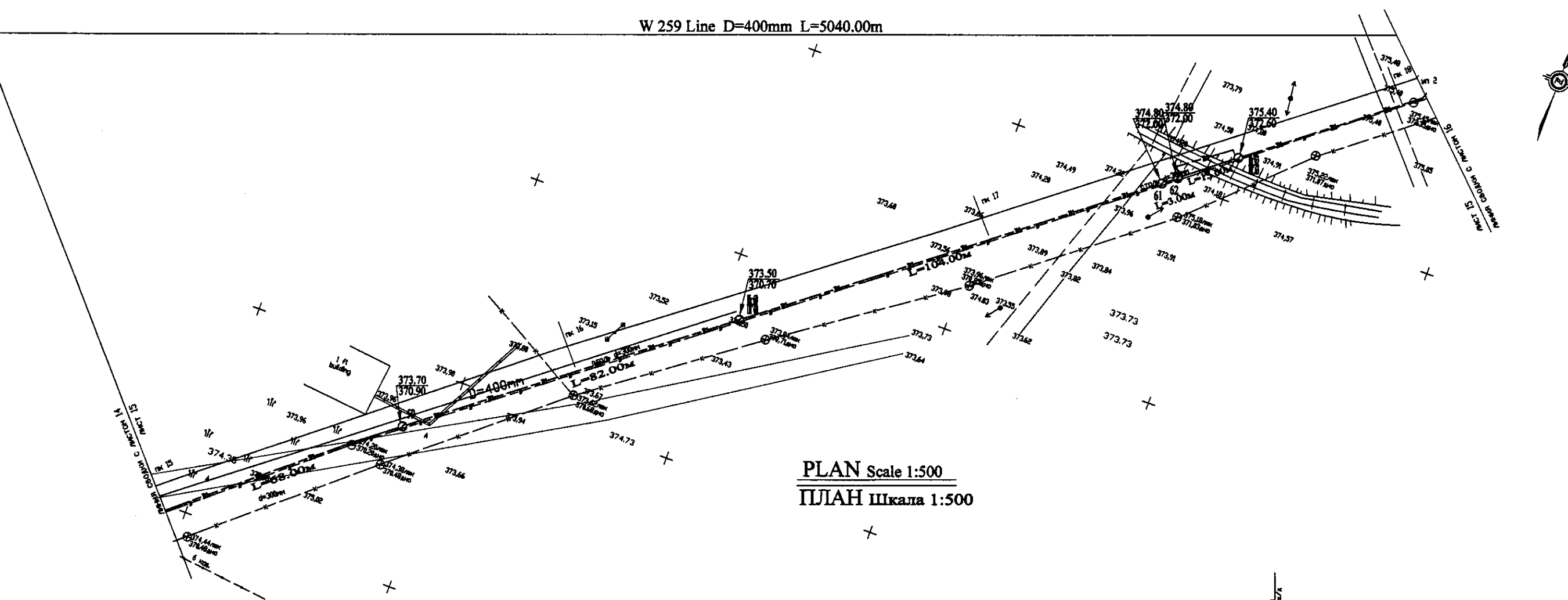
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 374.76 | 374.59 | 374.59 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 |
| Pipe Invert Level Отметка низа трубы, м | 374.59 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 | 374.58 |
| Single Distance, m Расстояние участков, м | 6.30 | 3.00 | 30.00 | 37.00 | 28.00 | 33.00 | 24.00 | 64.00 | 64.00 | 64.00 |
| Cumulative Distance, m Общее расстояние, м | 6.30 | 9.30 | 38.60 | 75.60 | 103.60 | 136.60 | 160.60 | 224.60 | 288.60 | 352.60 |
| Station No. Номера участков | ПК 12 | ПК 13 | ПК 13 | ПК 13 | ПК 14 | ПК 14 | ПК 14 | ПК 15 | ПК 15 | ПК 15 |



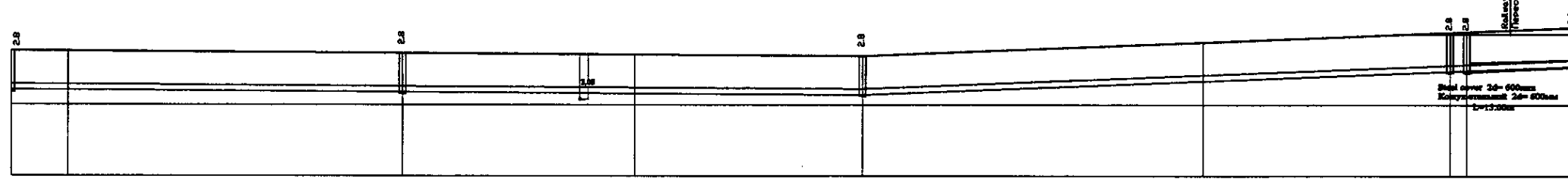
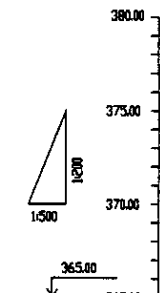
PROFILE
ПРОФИЛЬ

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|-------------|------------|---------------|---------|---------|----|---------|------------|--------|-----------|--|-------------|-------------|--------|---------------|--|-------------|--|--------|---------|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | <table border="1"> <tr> <td>Checked by:</td> <td></td> <td>Sheet No.:</td> <td>14</td> <td>Sheets:</td> <td>18</td> </tr> <tr> <td>Design:</td> <td>T. Kiguchi</td> <td>Scale:</td> <td colspan="2">W259-C-14</td> </tr> <tr> <td>Checked by:</td> <td>J. Watanabe</td> <td>Scale:</td> <td colspan="2">SCALE H 1:500</td> </tr> <tr> <td>Checked by:</td> <td></td> <td>Scale:</td> <td colspan="2">V 1:200</td> </tr> </table> | Checked by: | | Sheet No.: | 14 | Sheets: | 18 | Design: | T. Kiguchi | Scale: | W259-C-14 | | Checked by: | J. Watanabe | Scale: | SCALE H 1:500 | | Checked by: | | Scale: | V 1:200 | |
| | Checked by: | | | Sheet No.: | 14 | Sheets: | 18 | | | | | | | | | | | | | | | | |
| | Design: | | T. Kiguchi | Scale: | W259-C-14 | | | | | | | | | | | | | | | | | | |
| | Checked by: | | J. Watanabe | Scale: | SCALE H 1:500 | | | | | | | | | | | | | | | | | | |
| Checked by: | | Scale: | V 1:200 | | | | | | | | | | | | | | | | | | | | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | | | | | | | | | | | | | | | | | | | | | |
| NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 Распределительные сети W259 | | | | | | | | | | | | | | | | | | | | | | |
| NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Plan and Profile 14 План и Профиль 14 | | | | | | | | | | | | | | | | | | | | | | |

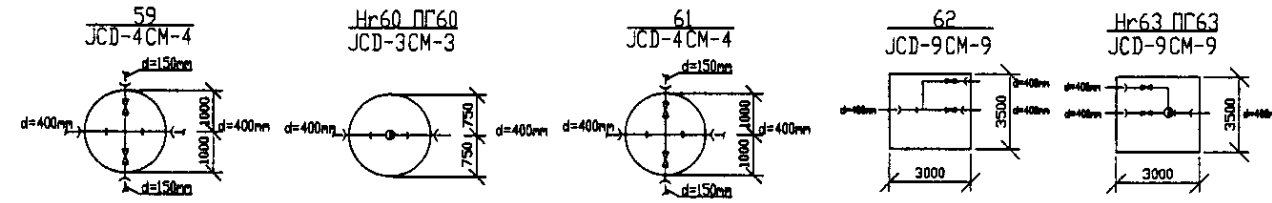
W 259 Line D=400mm L=5040.00m



PLAN Scale 1:500
ПЛАН ШКАЛА 1:500



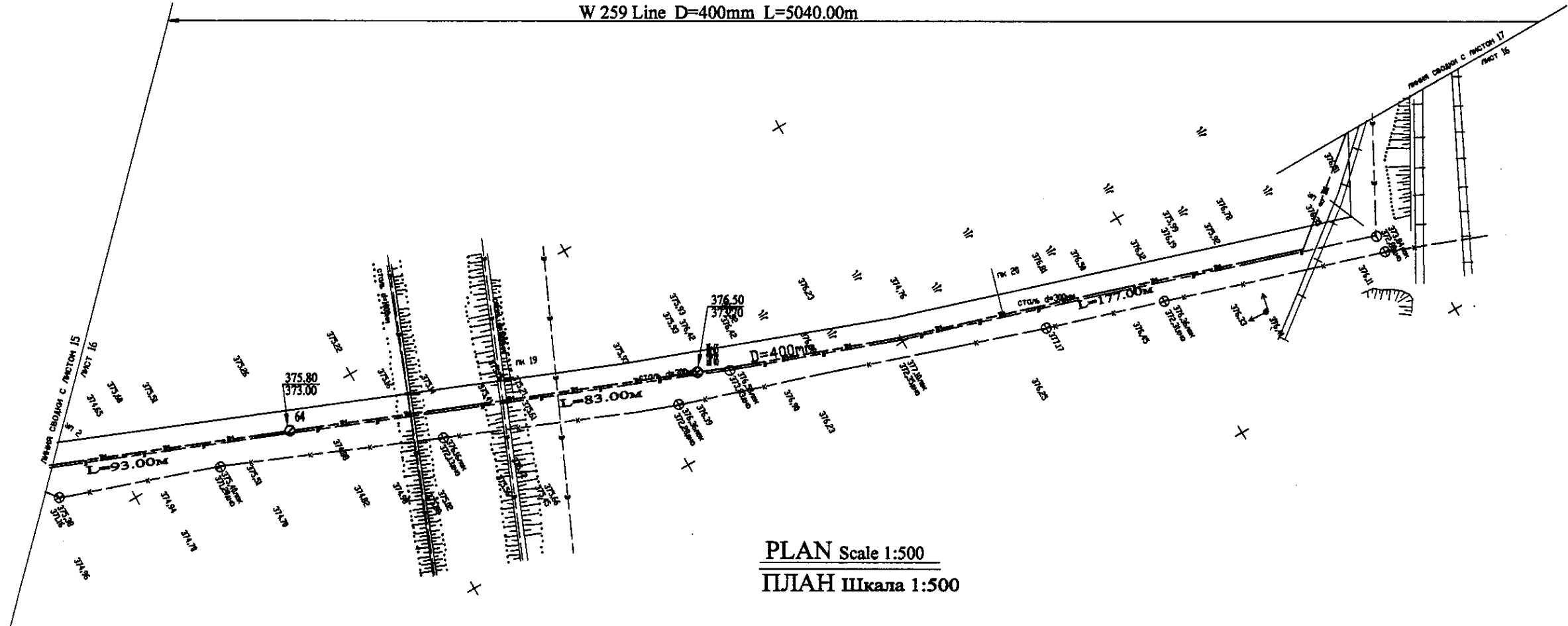
| Pipe Data Данные о трубах | DIP d=400 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 373.85 | 373.88 | 373.78 | 373.58 | 373.58 | 373.58 | 373.58 | 373.58 | 373.58 | 373.58 |
| Pipe Invert Level Отметка низа трубы, м | 371.85 | 371.88 | 371.78 | 371.58 | 371.58 | 371.58 | 371.58 | 371.58 | 371.58 | 371.58 |
| Single Distance, m Расстояние участков, м | 60.00 | 3.00 | 63.00 | 33.00 | 41.00 | 33.00 | 33.00 | 33.00 | 33.00 | 15.00 |
| Cumulative Distance, m Общие расстояние, м | 367.00 | 370.00 | 373.00 | 406.00 | 447.00 | 480.00 | 513.00 | 546.00 | 579.00 | 594.00 |
| Station No. Номера участков | 175+00 | 175+03 | 175+06 | 175+09 | 175+12 | 175+15 | 175+18 | 175+21 | 175+24 | 175+27 |



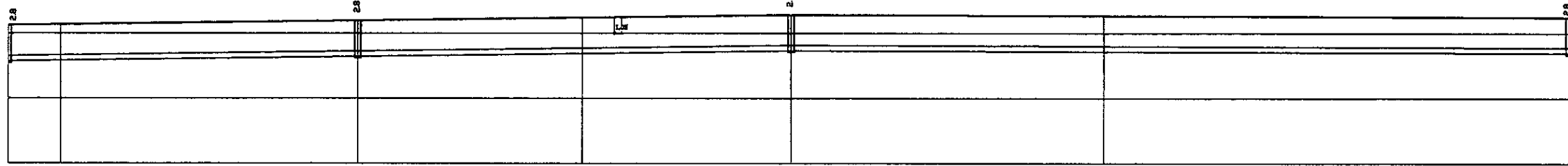
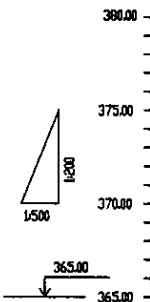
PROFILE
ПРОФИЛЬ

| | | | | | |
|--|---|---|----------------------------------|-------------------------|--------------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | Chief Engineer И.М.Мамбетов | Project Manager Т.Ж.Жаппалиев | Design Д.Ж.Жаппалиев | Checked Д.Ж.Жаппалиев |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 Распределительные сети W259 | | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Plan and Profile 15 План и Профиль 15 | | | |
| | | | Stage Этап | Sheet Лист | Sheets Листов |

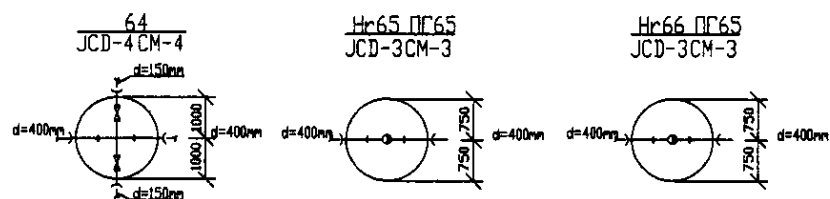
W 259 Line D=400mm L=5040.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500

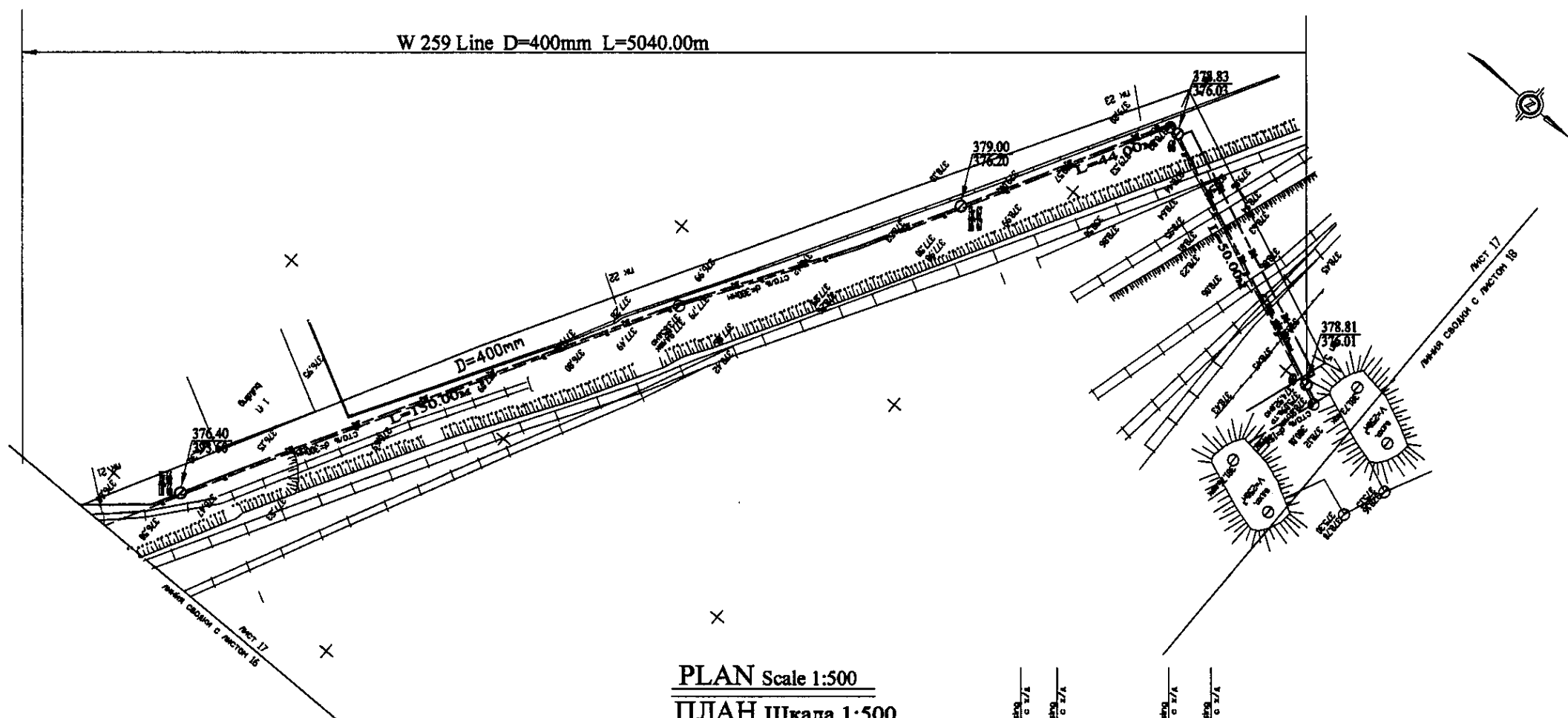


| Pipe Data Данные о трубах | | DIP d=400 mm | | | | |
|---|--------|--------------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 375.96 | 375.66 | 375.88 | 376.88 | 376.58 | 376.28 |
| Pipe Invert Level Отметка низа трубы, м | 372.66 | 372.36 | 372.58 | 373.58 | 373.28 | 372.98 |
| Single Distance, m Расстояние участков, м | 15.00 | 3.00 | 62.00 | 28.00 | 45.00 | 25.00 |
| Cumulative Distance, m Общее расстояние, м | 15.00 | 48.00 | 110.00 | 138.00 | 183.00 | 208.00 |
| Station No. Начало участков | 64 | 67 | 129 | 157 | 202 | 227 |

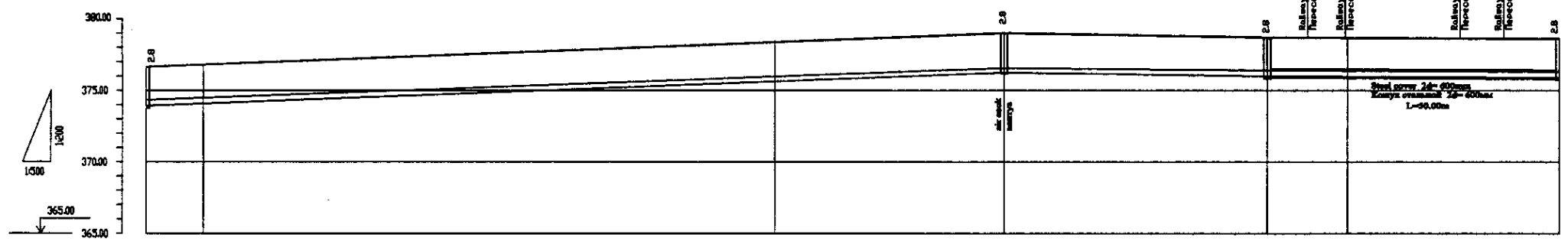


PROFILE
ПРОФИЛЬ

| | | | | |
|--|--|---|---------------|---------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W259 Распределительные сети W259 | Stage Лист | Sheet Лист |
| | NISHI SUIIDO CONSULTANTS CO.,LTD.-JAPAN | Plan and Profile 16 План и Профиль 16 | 16 | 18 |

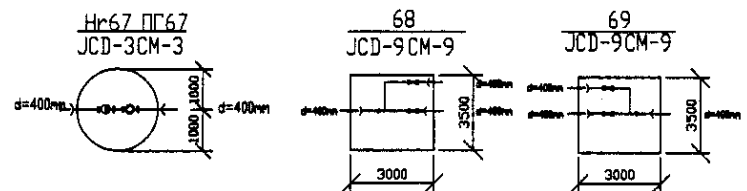


PLAN Scale 1:500
ПЛАН Шкала 1:500



| Pipe Data Данные о трубах | | DIP d=400 mm | | | | | |
|---|--------|--------------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 376.40 | 376.68 | 377.08 | 377.88 | 378.83 | 378.83 | 378.81 |
| Pipe Invert Level Отметка низа трубы, м | 373.68 | 373.68 | 373.68 | 373.68 | 373.68 | 373.68 | 373.68 |
| Single Distance, m Расстояние участков, м | 122.88 | 0.00 | 185.00 | 42.00 | 44.00 | 14.00 | 24.00 |
| Cumulative Distance, m Общее расстояние, м | 122.88 | 122.88 | 307.88 | 349.88 | 393.88 | 407.88 | 431.88 |
| Station No. Номера участков | 17+6 | 17+6 | 17+7 | 17+7 | 17+8 | 17+8 | 17+9 |

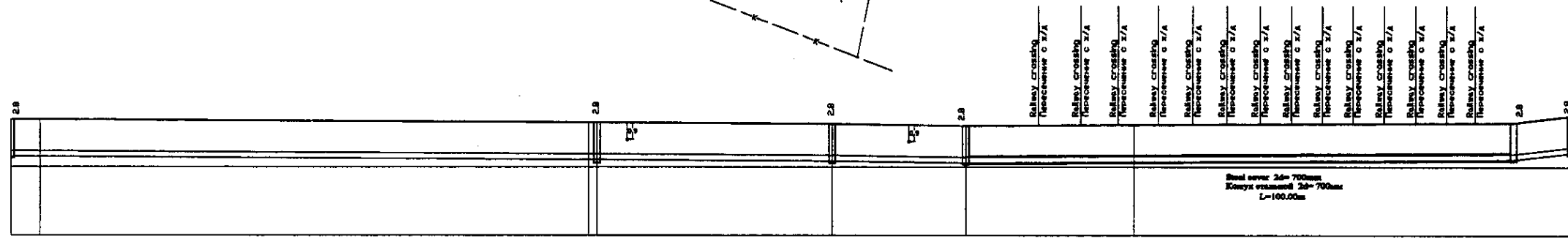
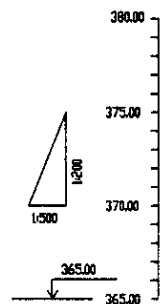
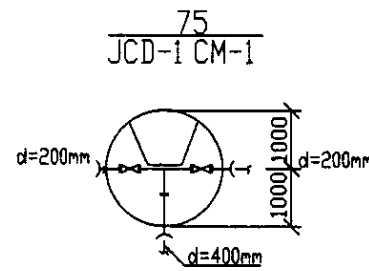
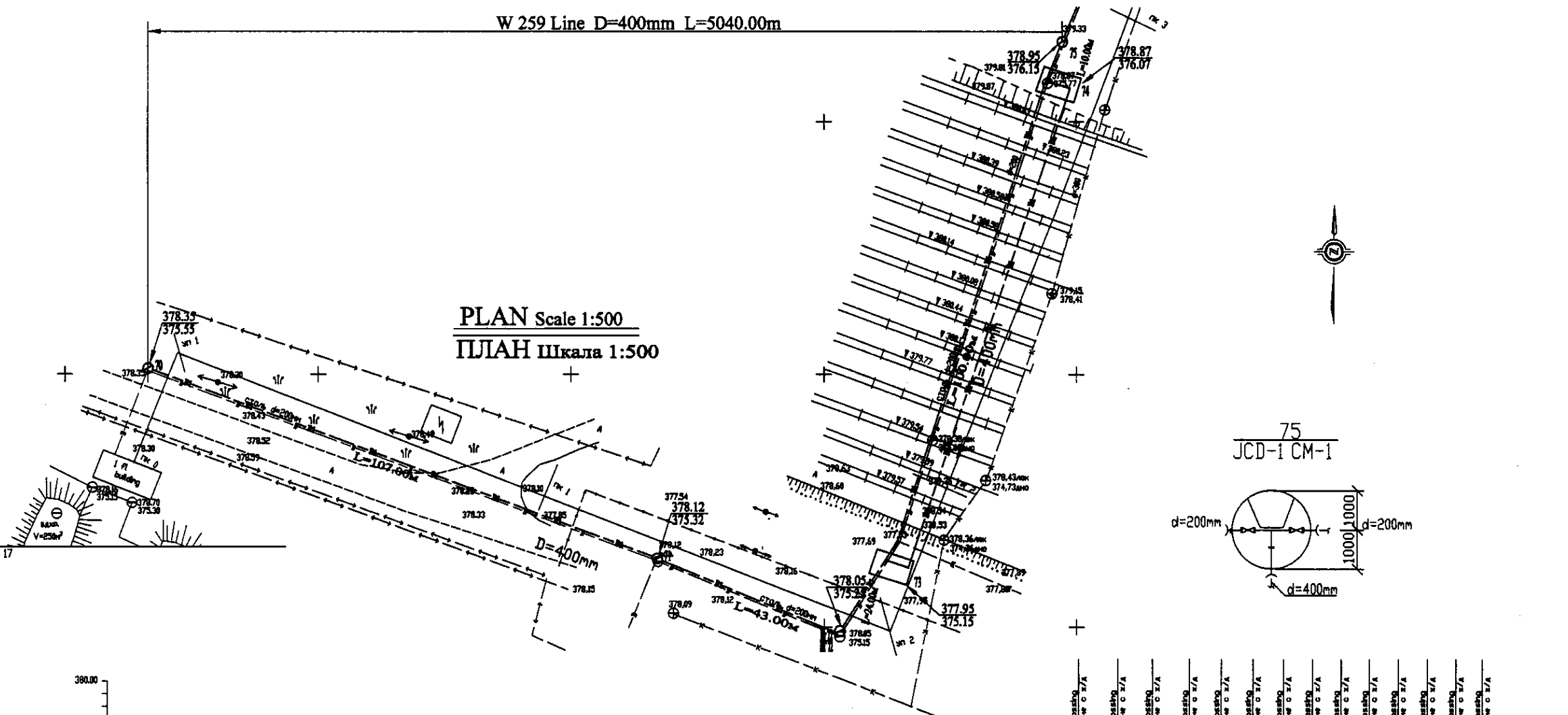
PROFILE
ПРОФИЛЬ



| | | | | |
|--|--|--|-----------------------------|----------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Designed by: T. Kiguchi | Distribution Pipeline W259 | Stage Sheet 17 |
| | NISHI SUIDO CONSULTANTS CO.,LTD.-JAPAN | Checked by: S. Yamamoto | Распределительные сети W259 | Sheet List 18 |
| | | Plan and Profile 17 | W259-C-17 | |
| | | План и Профиль 17 | SCALE 1:1000 | |
| | | | V.1000 | |

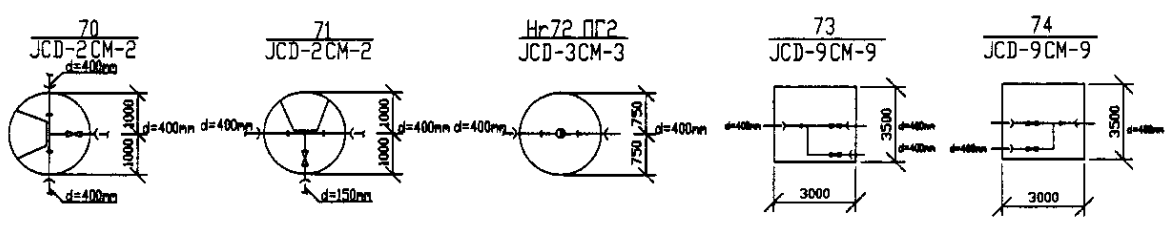
W 259 Line D=400mm L=5040.00m

PLAN Scale 1:500
ПЛАН Шкала 1:500



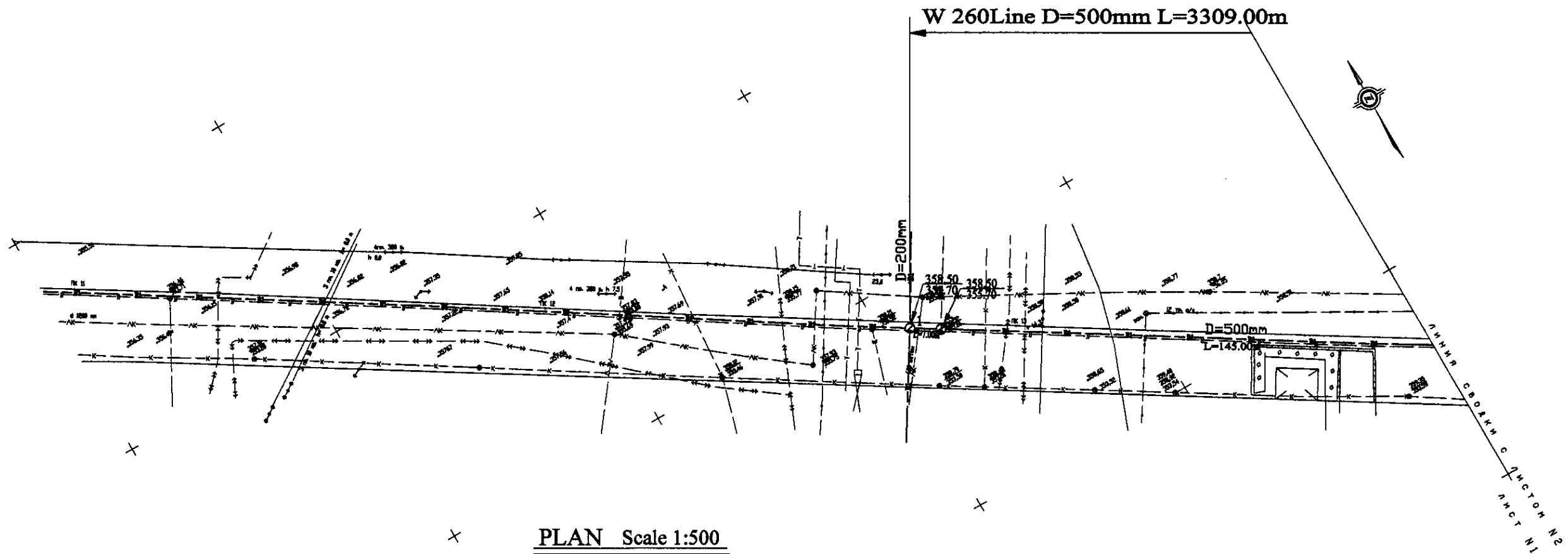
| | |
|---|--------|
| Pipe Data Данные о трубах | |
| Ground Level, m Отметка земли, м | 378.25 |
| Pipe Invert Level Отметка низа трубы, м | 375.25 |
| Single Distance, m Расстояние между колодцами, м | 5.00 |
| Cumulative Distance, m Общие расстояние, м | 5.00 |
| Station No. Номера колодцев | 70 |

| Station No. | Ground Level, m | Pipe Invert Level, m | Single Distance, m | Cumulative Distance, m |
|-------------|-----------------|----------------------|--------------------|------------------------|
| 70 | 378.25 | 375.25 | 5.00 | 5.00 |
| 71 | 378.12 | 375.12 | 5.00 | 10.00 |
| 72 | 378.05 | 375.05 | 5.00 | 15.00 |
| 73 | 377.95 | 374.95 | 5.00 | 20.00 |
| 74 | 377.87 | 374.87 | 5.00 | 25.00 |

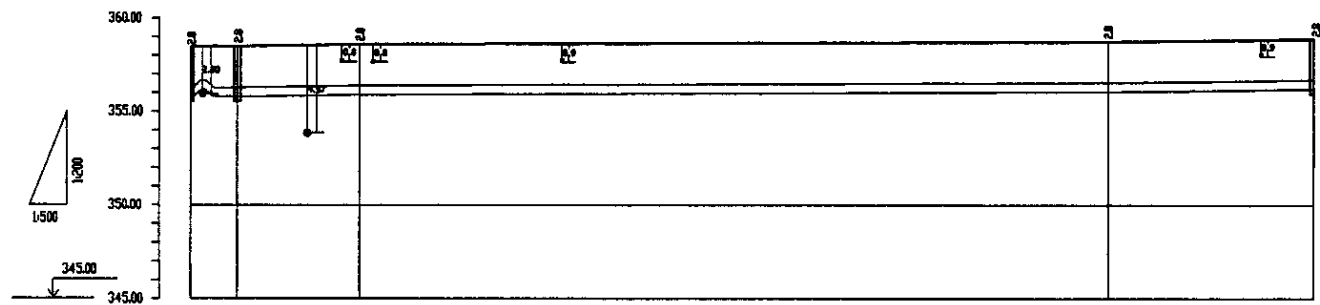


PROFILE
ПРОФИЛЬ

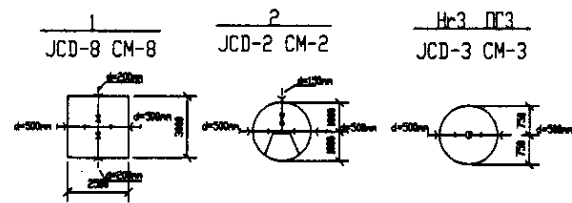
| | | | |
|--|---|---|----------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NINON SUIDO CONSULTANTS CO.,LTD.-JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | |
| | Distribution Pipeline W259 Распределительные сети W259 | Stage Листы | Sheet Листы |
| Plan and Profile 18 План и Профиль 18 | | W259-C-18 SCALE: H 1:500 V 1:500 | |



PLAN Scale 1:500
ПЛАН Шкала 1:500



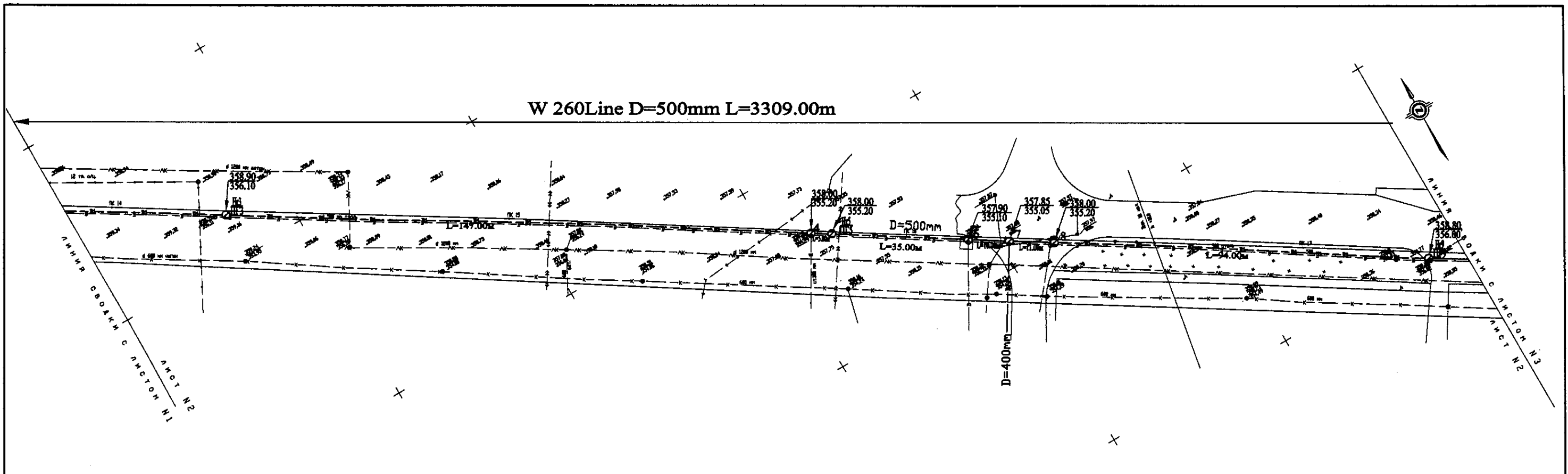
| Pipe Data Данные о трубах | | DIP d=500 mm | | | | |
|---|--|--------------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | | 352.00 | 352.00 | 354.00 | 354.00 | 354.00 |
| Pipe Invert Level Отметка низа трубы, м | | 352.00 | 352.00 | 353.00 | 354.00 | 354.00 |
| Single Distance, m Расстояние участков, м | | 6.00 | 7.00 | 16.00 | 16.00 | 21.00 |
| Cumulative Distance, m Общее расстояние, м | | 6.00 | 13.00 | 29.00 | 45.00 | 66.00 |
| Station No. Номера участков | | 1 | 2 | 3 | 4 | 5 |



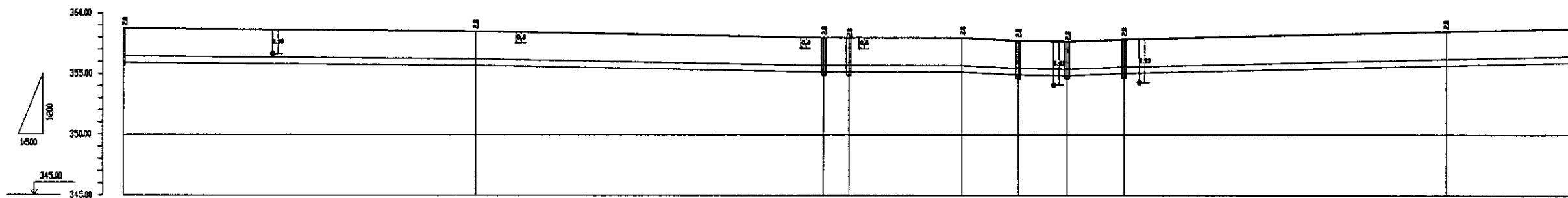
PROFILE
ПРОФИЛЬ

Approved/Согласовано
 Checked/Проверено
 Designed/Проектировано
 Drawn/Нанесено
 Date/Дата

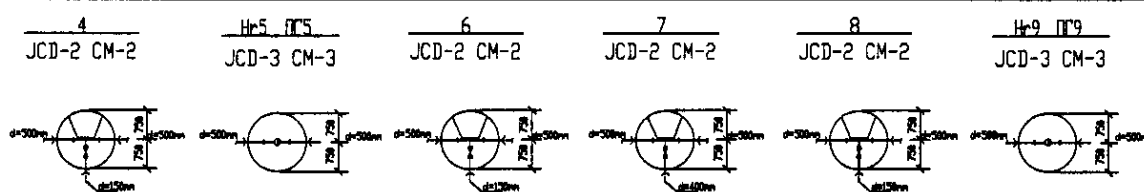
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NINON SUIDO CONSULTANTS CO.,LTD.-JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 1 План и Профиль 1 | <table border="1"> <tr> <th>Stage</th> <th>Sheet</th> <th>Sheets</th> </tr> <tr> <td>1</td> <td>1</td> <td>11</td> </tr> </table> | Stage | Sheet | Sheets | 1 | 1 | 11 | | |
|--------------------------|---|--|---|---|--------|--------|---------|------|----|--|--|
| | Stage | Sheet | Sheets | | | | | | | | |
| | 1 | 1 | 11 | | | | | | | | |
| | Chief Engineer M. Mamonov | Designer T. Kigmet | Checked by D. Bektasov | <table border="1"> <tr> <th>Design</th> <th>Drawn</th> <th>Checked</th> <th>Date</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> | Design | Drawn | Checked | Date | | | |
| Design | Drawn | Checked | Date | | | | | | | | |
| | | | | | | | | | | | |
| SCALE H 1:500 V 1:500 | | | | | | | | | | | |
| | | | | | | | | | | | |



PLAN Scale 1:500
ПЛАН Шкала 1:500



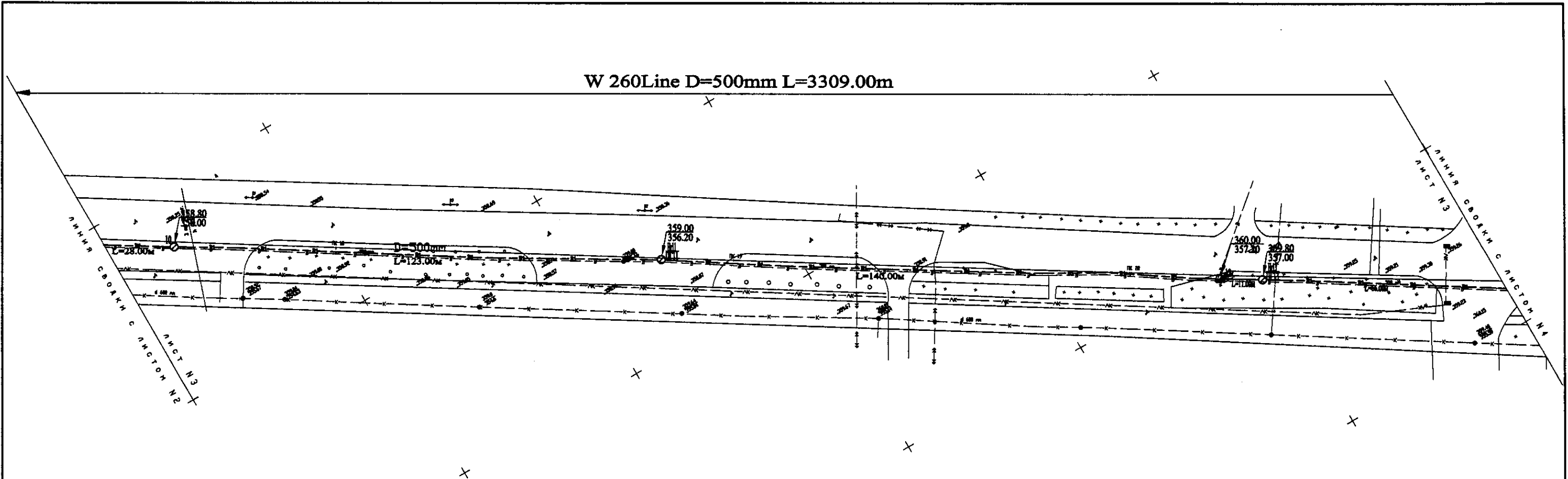
| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 358.90 | 356.10 | 355.20 | 358.00 | 355.20 | 357.90 | 355.05 | 357.85 | 355.20 | 358.00 | 356.80 |
| Pipe Invert Level Отметка низа трубы, м | 355.80 | 353.70 | 353.50 | 353.50 | 353.50 | 353.50 | 353.50 | 353.50 | 353.50 | 353.50 | 353.50 |
| Single Distance, m Расстояние участков, м | 25.00 | 74.00 | 3.00 | 19.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 25.00 |
| Cumulative Distance, m Общее расстояние, м | 25.00 | 99.00 | 102.00 | 121.00 | 127.00 | 133.00 | 139.00 | 145.00 | 151.00 | 157.00 | 182.00 |
| Station No. Номера участков | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |



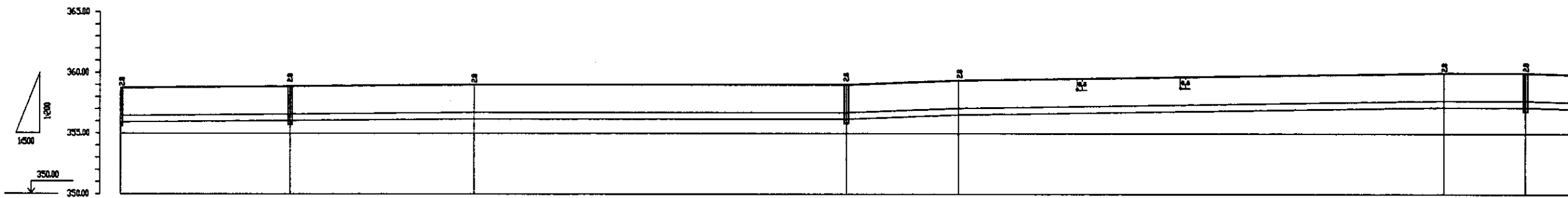
PROFILE
ПРОФИЛЬ

| | | | | |
|---|--|--|---|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | Distribution Pipeline W260 Распределительные сети W260 | Stage Sheet: 2 Sheet List: 2 Sheets List: 11 |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | | | |
| Chief Engineer of the Project: M. Minoura Deputy Superintendent: T. Kiguchi Designed by: Y. Watanabe Checked by: [Signature] | M. Minoura T. Kiguchi Y. Watanabe [Signature] | Date: [Blank] Date: [Blank] Date: [Blank] | Plan and Profile 2 План и Профиль 2 | W260-C-02 SCALE H 1:500 V 1:500 |

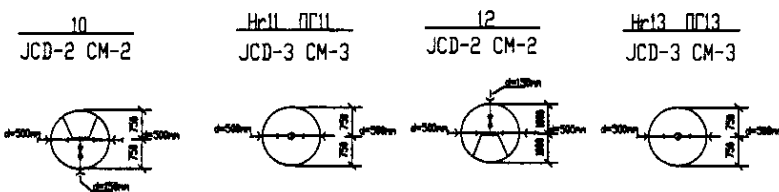
W 260 Line D=500mm L=3309.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500



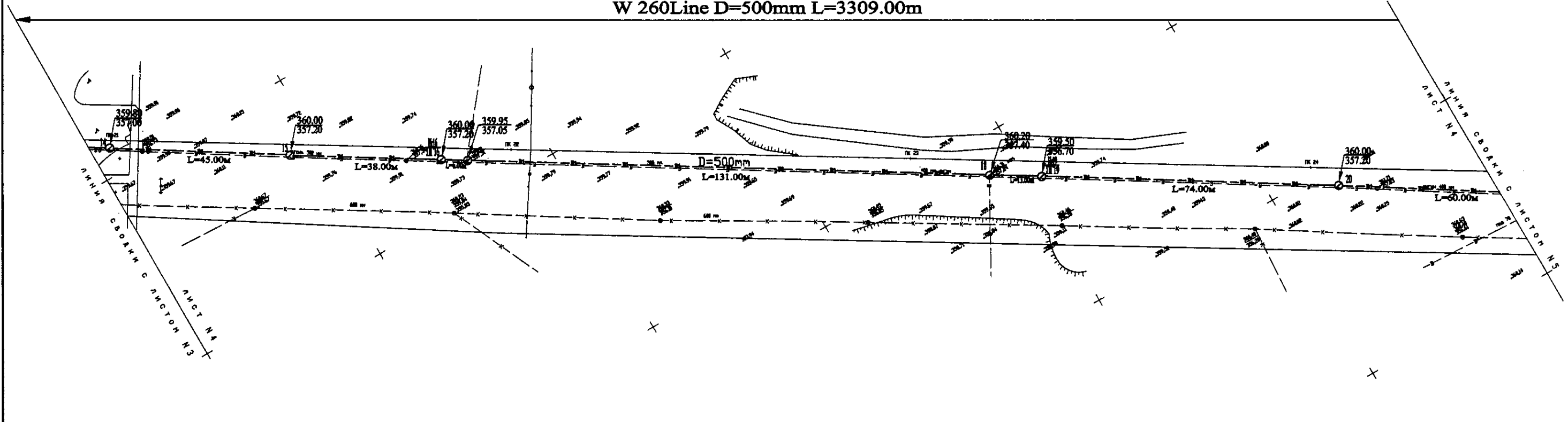
| Pipe Data Диаметр труб | DIP d=500 mm | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 358.80 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 |
| Pipe Invert Level Отметка низа трубы, м | 356.00 | 356.00 | 356.20 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 | 356.00 |
| Single Distance, m Расстояние между колодцами, м | 28.00 | 28.00 | 4.00 | 28.00 | 28.00 | 28.00 | 28.00 | 28.00 | 28.00 | 28.00 | 28.00 |
| Cumulative Distance, m Всего расстояние, м | 0.00 | 28.00 | 32.00 | 60.00 | 88.00 | 116.00 | 144.00 | 172.00 | 200.00 | 228.00 | 256.00 |
| Station No. Номера колодцев | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |



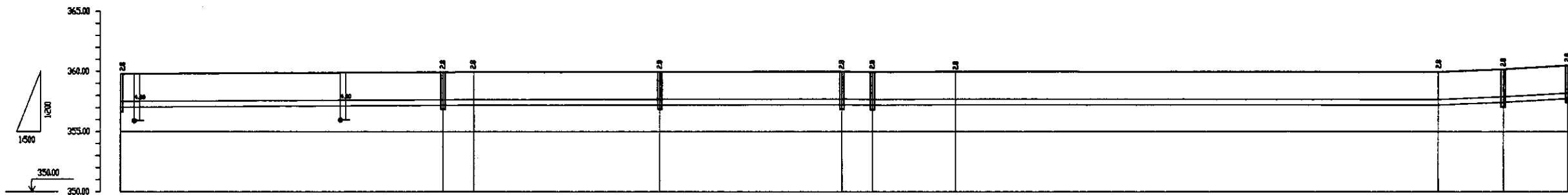
PROFILE
ПРОФИЛЬ

| | | | | | | | |
|--|---|---|--|----------------------|--|--------------------------|-------------------------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JICA JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NISHI CONSULTANTS CO.,LTD.-JAPAN | Chief Engineer of the Project (P/E) Designer Developed by Checked by | M. Mamonov T. Kigayev A. Watanabe A. Watanabe | Date Date Date | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 3 План и Профиль 3 | Stage Sheet Sheets | W260-C-03 SCALE 1:500 V 1/200 |
| | 3 3 11 | W260-C-03 SCALE 1:500 V 1/200 | | | | | |

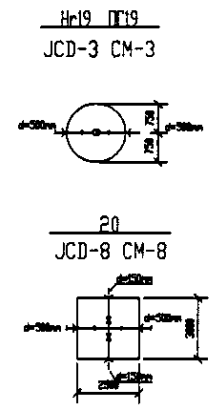
W 260Line D=500mm L=3309.00m



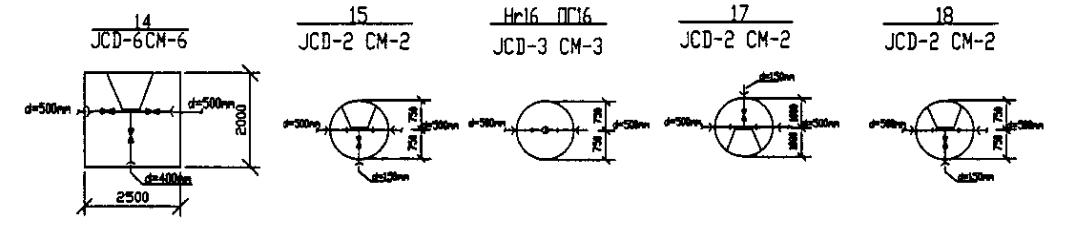
PLAN Scale 1:500
ПЛАН Шкала 1:500



| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 359.80 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 | 359.95 |
| Pipe Invert Level Отметка низа трубы, м | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 | 357.20 |
| Single Distance, m Расстояние участков, м | 45.00 | 38.00 | 131.00 | 74.00 | 60.00 | | | | | | |
| Cumulative Distance, m Общее расстояние, м | 45.00 | 83.00 | 214.00 | 288.00 | 348.00 | 479.00 | 549.00 | 623.00 | 693.00 | 753.00 | 813.00 |
| Station No. Номера участков | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

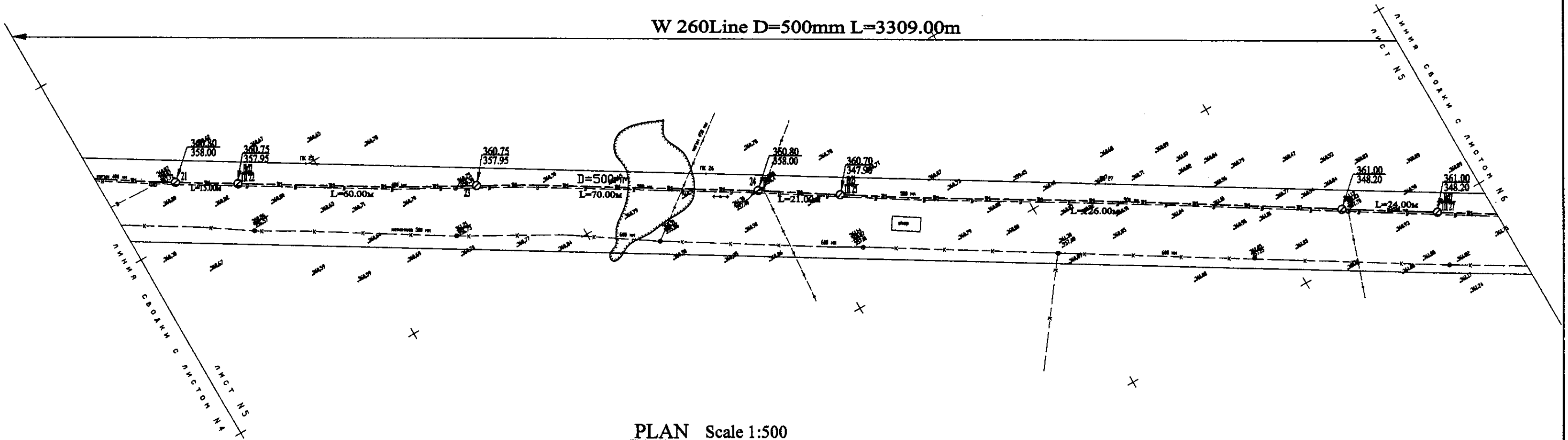


PROFILE
ПРОФИЛЬ

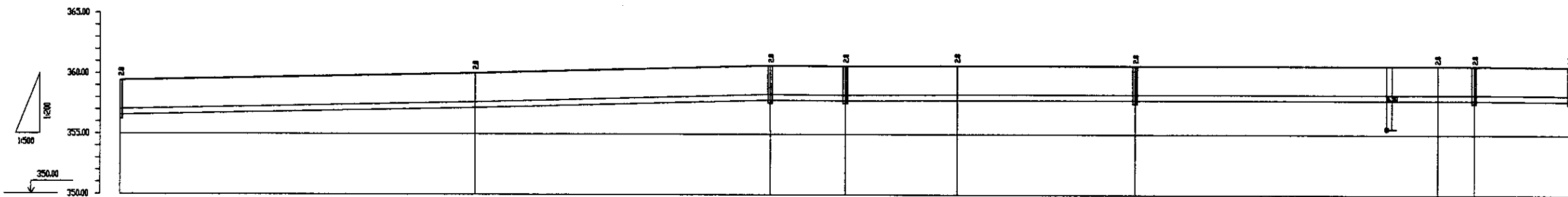


| | | | | |
|--|--|--|-------------|------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W260 | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W260 | | |
| | Designed by: T. Kiyama | Checked by: E. Kiyama | Stage Sheet | Sheet List |
| | Checked by: [Signature] | Checked by: [Signature] | 4 | 11 |
| | | | W260-C-04 | |
| | | | SCALE 1:500 | |
| | | | v. 1/2000 | |

W 260 Line D=500mm L=3309.00m

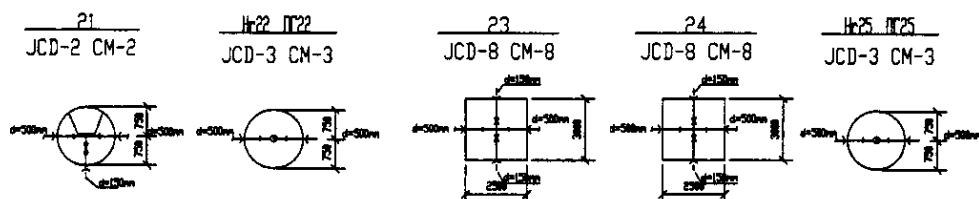


PLAN Scale 1:500
ПЛАН Шкала 1:500



| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 360.80 | 360.75 | 360.75 | 360.80 | 360.70 | 361.00 | 361.00 | 361.00 | 361.00 | 361.00 |
| Pipe Invert Level Отметка низа трубы, м | 358.00 | 357.95 | 357.95 | 358.00 | 347.95 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 |
| Single Distance, m Расстояние участка, м | 15.00 | 60.00 | 70.00 | 21.00 | 26.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| Cumulative Distance, m Общее расстояние, м | 15.00 | 75.00 | 145.00 | 166.00 | 192.00 | 216.00 | 240.00 | 264.00 | 288.00 | 312.00 |
| Station No. Номера участков | П73 | П74 | П75 | П76 | П77 | П78 | П79 | П80 | П81 | П82 |

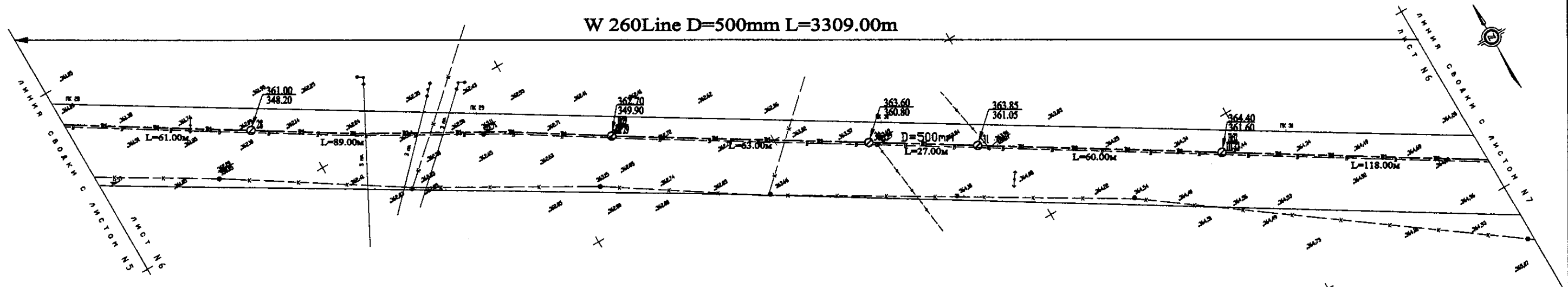
PROFILE
ПРОФИЛЬ



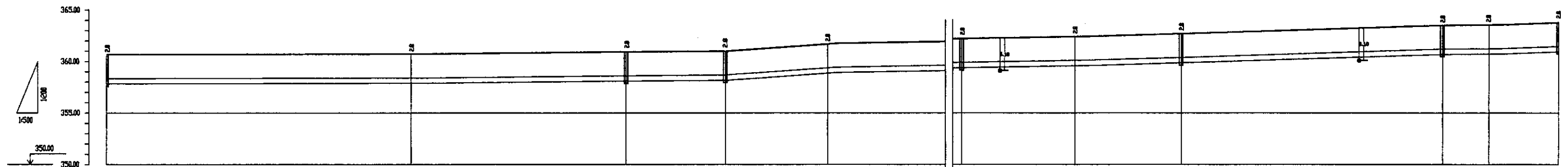
Approved/Checked/Designed/Drawn/Executed

| | | | | | |
|--|---|--|-----------------------|-------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 5 План и Профиль 5 | Stage | Sheet | Sheets |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | W260-C-05 | 5 | 11 |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | SCALE 1:500 V 1400 | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | | | | |

W 260 Line D=500mm L=3309.00m

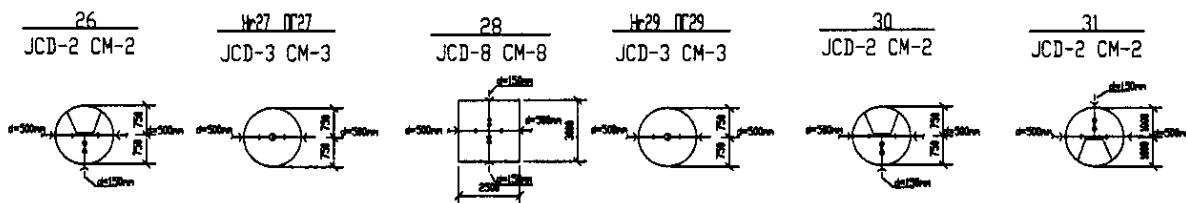


PLAN Scale 1:500
ПЛАН Шкала 1:500



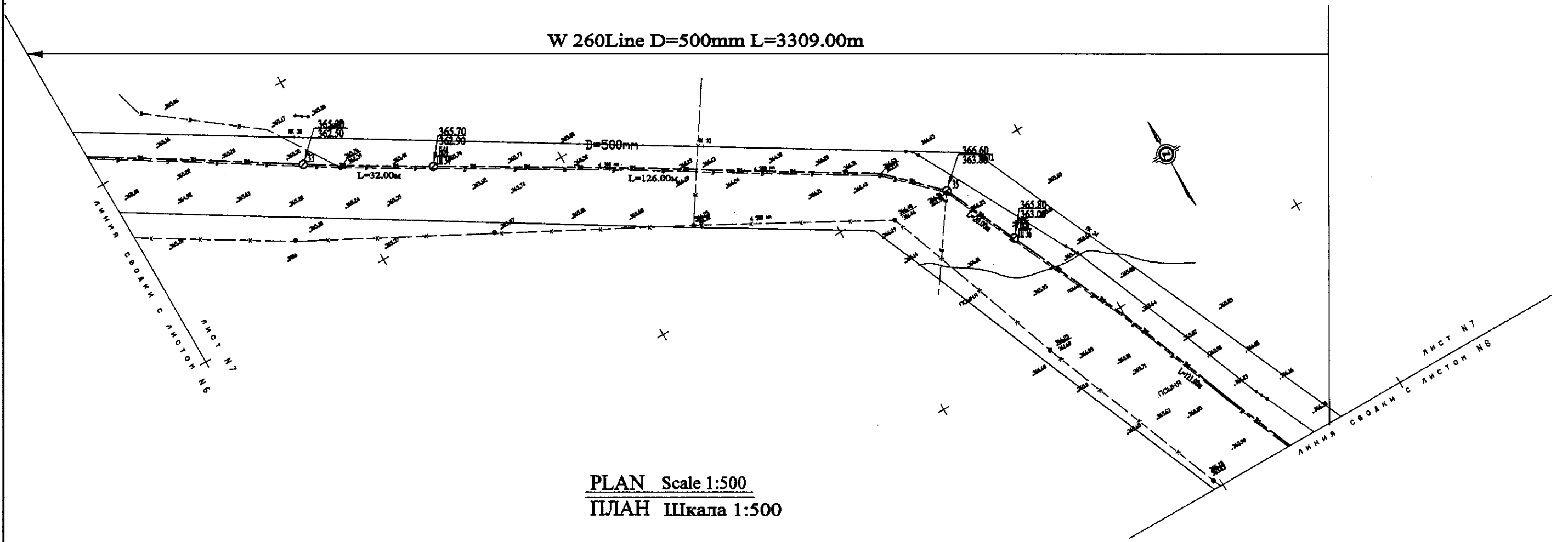
| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 361.70 | 360.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 | 361.80 |
| Pipe Invert Level Отметка низа трубы, м | 347.50 | 348.00 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 | 348.20 |
| Single Distance, m Расстояние участков, м | 61.00 | 71.00 | 52.00 | 64.00 | 24.00 | 24.00 | 63.00 | 60.00 | 60.00 | 118.00 | 118.00 | 118.00 |
| Cumulative Distance, m Общее расстояние, м | 61.00 | 132.00 | 184.00 | 248.00 | 272.00 | 296.00 | 359.00 | 422.00 | 482.00 | 590.00 | 708.00 | 826.00 |
| Station No. Номера участков | 26 | 27 | 28 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |

PROFILE
ПРОФИЛЬ

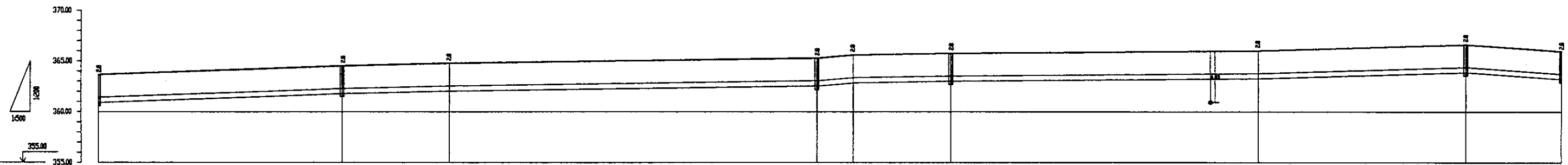


| | | | | |
|--|--|--|--|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W260 | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W280 | | |
| Stage: 6 Sheet: 6 Total Sheets: 11 | | Plan and Profile 6 W260-C-06 SCALE H 1:500 V 1:800 | | |

W 260 Line D=500mm L=3309.00m

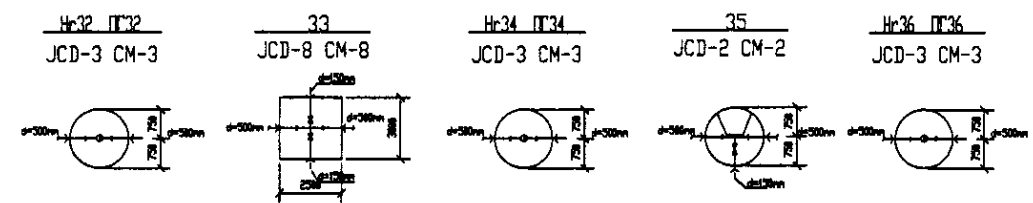


PLAN Scale 1:500
ПЛАН Шкала 1:500



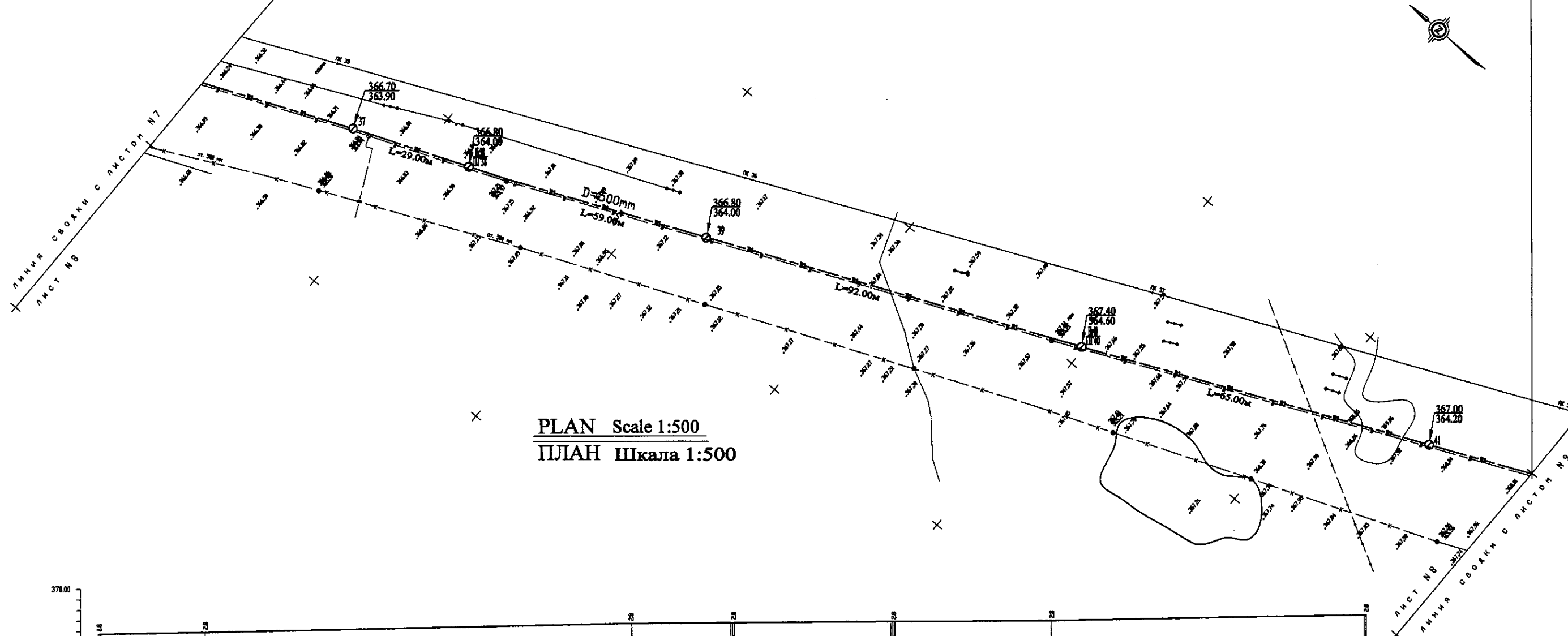
| Pipe Data | | DIP d=500 mm | | | | | | | | | |
|------------------------|------------------------|--------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| Диаметр труб | Ground Level, m | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 | 34.00 |
| Отметка земли, м | Pipe Invert Level | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Отметка низа трубы, м | Single Distance, m | 16.00 | 6.00 | 24.00 | 94.00 | 6.00 | 26.00 | 26.00 | 7.00 | 26.00 | 26.00 |
| Расстояние участков, м | Cumulative Distance, m | 17.00 | 23.00 | 47.00 | 141.00 | 147.00 | 173.00 | 199.00 | 206.00 | 232.00 | 258.00 |
| Общее расстояние, м | Station No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Номера участков | Номера узлов | 172 | 143 | 28 | 142 | 174 | 143 | 174 | 143 | 174 | 174 |

PROFILE
ПРОФИЛЬ

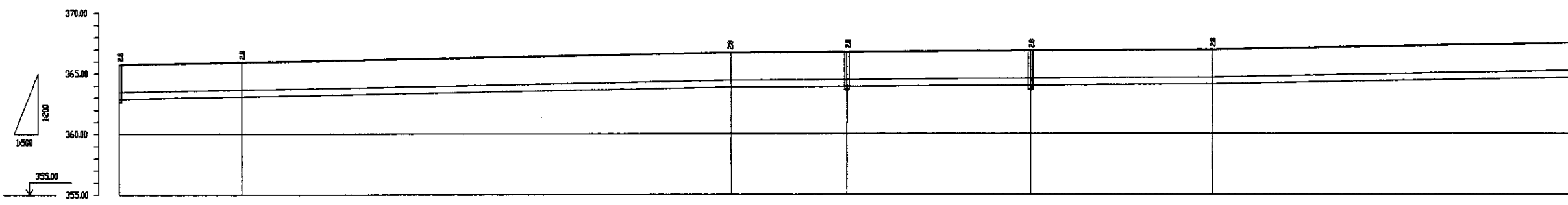


| | | | | | |
|--|--|---|-------------|-------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 7 План и Профиль 7 | Stage | Sheet | Sheets |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | 7 | 11 | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | W260-C-07 | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | | SCALE 1:500 | | |

W 260 Line D=500mm L=3309.00m

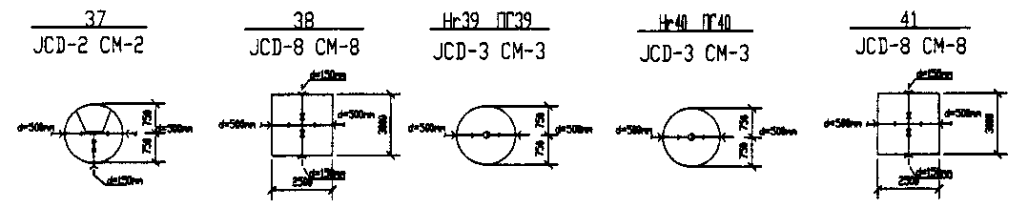


PLAN Scale 1:500
ПЛАН Шкала 1:500



| Pipe Data Данные о трубах | | DIP d=500 mm | | | | | |
|---|-------|--------------|-------|-------|-------|-------|--------|
| Ground Level, m Отметка земли, м | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 367.4 |
| Pipe Invert Level Отметка низа трубы, м | 363.8 | 363.8 | 363.8 | 363.8 | 363.8 | 363.8 | 364.8 |
| Single Distance, m Расстояние участков, м | 29.0 | 29.0 | 63.0 | 23.0 | 26.0 | 12.0 | 88.0 |
| Cumulative Distance, m Общее расстояние, м | 29.0 | 58.0 | 121.0 | 144.0 | 170.0 | 290.0 | 3309.0 |
| Station No. Номера участков | 37 | 38 | 39 | 40 | 40 | 41 | 41 |

PROFILE
ПРОФИЛЬ



КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
 JAPAN INTERNATIONAL
COOPERATION AGENCY
 NJS CONSULTANTS
CO.,LTD.-JAPAN
 NINON SUIDO CONSULTANTS
CO.,LTD.-JAPAN

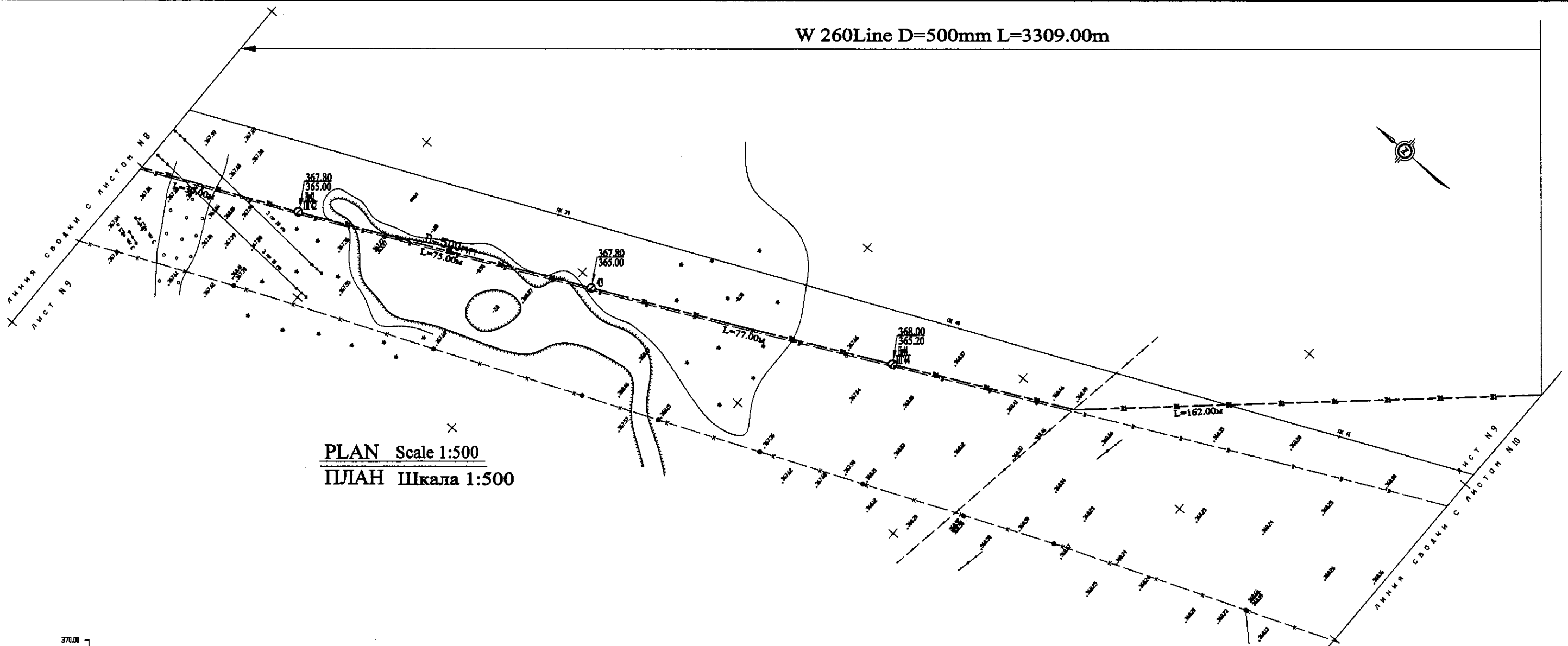
| Имя | Фамилия | Штаб | Должность | Подпись | Дата |
|-------------------------------|-------------|------|-----------|---------|------|
| Chief Engineer of the Project | M. M. M. M. | | | | |
| Deputy | T. K. K. | | | | |
| Designed by | J. W. W. | | | | |
| Checked by | J. W. W. | | | | |

ASTANA WATER SUPPLY AND SEWERAGE PROJECT
 ПРОЕКТ "ВОДОСНАБЖЕНИЕ И
КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"
 Distribution Pipeline W260
 Распределительные сети W260
 Plan and Profile 8
 План и Профиль 8

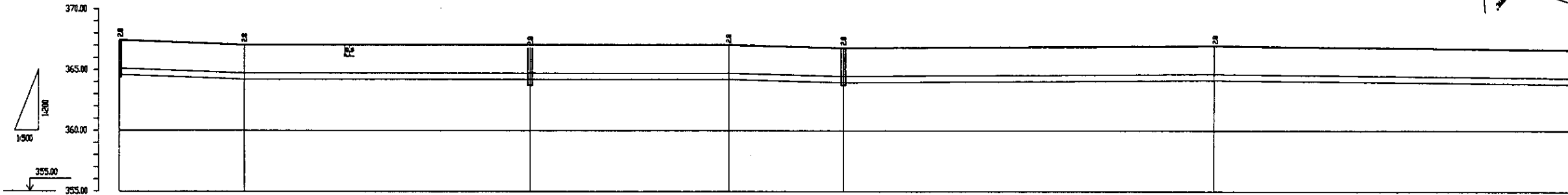
| | | | | | |
|-------------|---|-------|---|--------|----|
| Stage Sheet | 8 | Sheet | 8 | Sheets | 11 |
|-------------|---|-------|---|--------|----|

W260-C-08
SCALE 1:500
V 1800

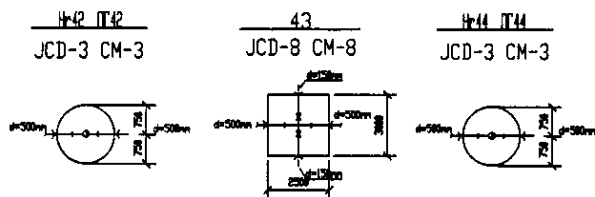
W 260Line D=500mm L=3309.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500

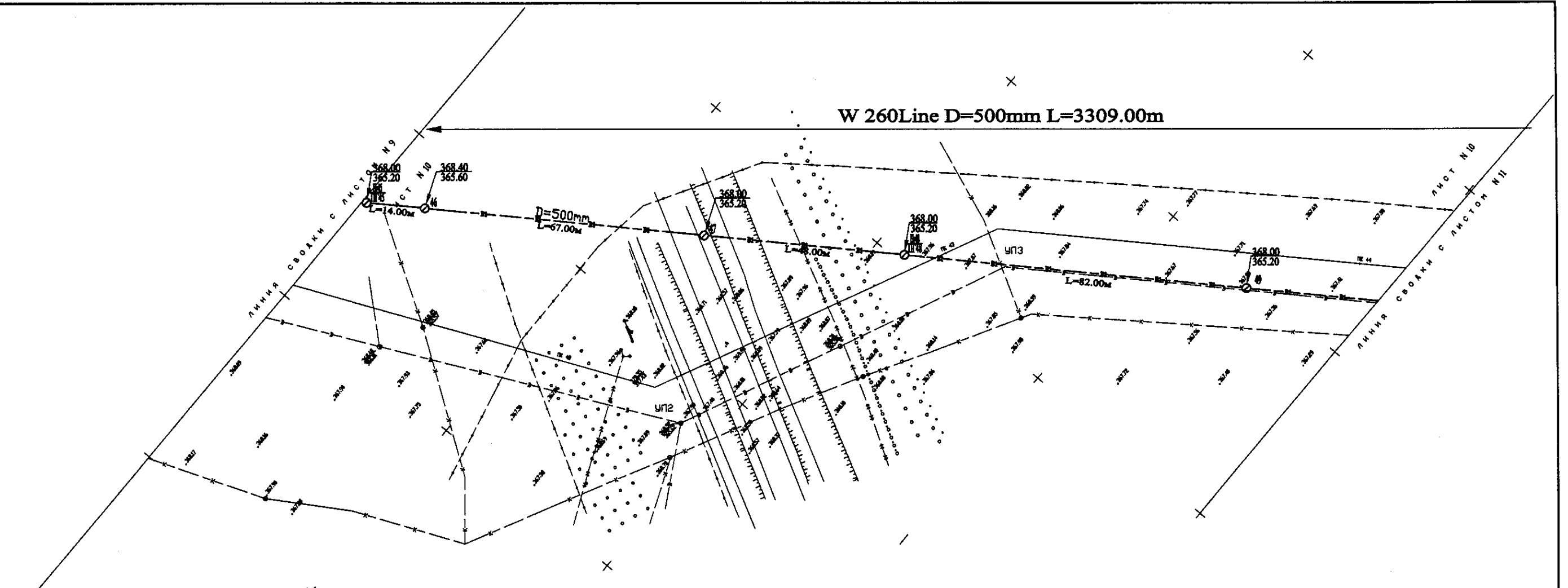


| Pipe Data Данные о трубах | DIP d=500 mm | | | | | |
|---|--------------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 367.80 | 367.80 | 367.80 | 366.00 | 367.80 | 365.00 |
| Pipe Invert Level Отметка низа трубы, м | 364.80 | 364.80 | 364.80 | 364.80 | 364.80 | 364.80 |
| Single Distance, m Расстояние между точками, м | 80.00 | 80.00 | 65.00 | 25.00 | 30.00 | 77.00 |
| Cumulative Distance, m Общее расстояние, м | 80.00 | 160.00 | 225.00 | 250.00 | 280.00 | 357.00 |
| Station No. Номера точек | П 0 | П 1 | П 2 | П 3 | П 4 | П 5 |

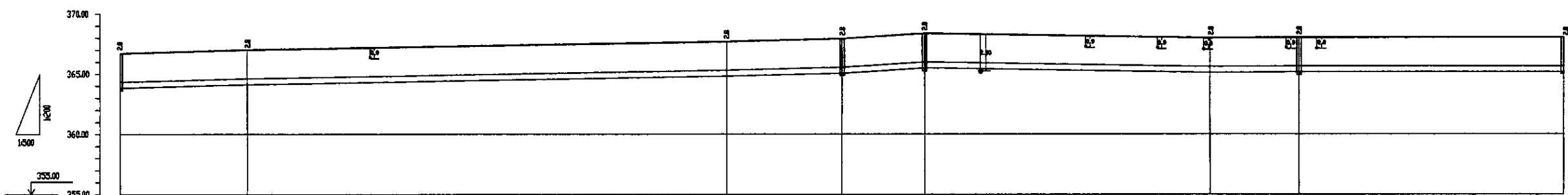


PROFILE
ПРОФИЛЬ

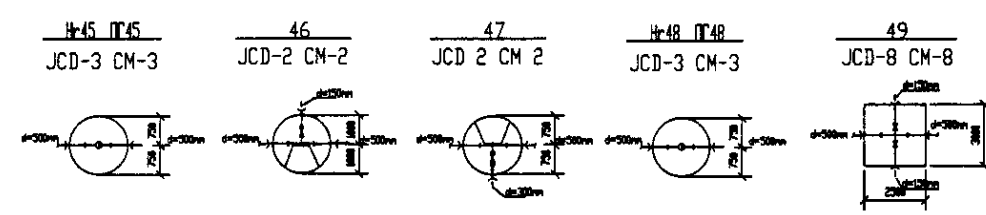
| | | | | | | |
|--|--|---|-------------------------|-------------------------|-------------|----|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 9 План и Профиль 9 | Stage Sheet | 9 | Sheets List | 11 |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | W260-C-09 | SCALE 1:500 | V 1:200 | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | Designed by: T. Kiyoshi | Checked by: J. Watanabe | | |



PLAN Scale 1:500
ПЛАН Шкала 1:500



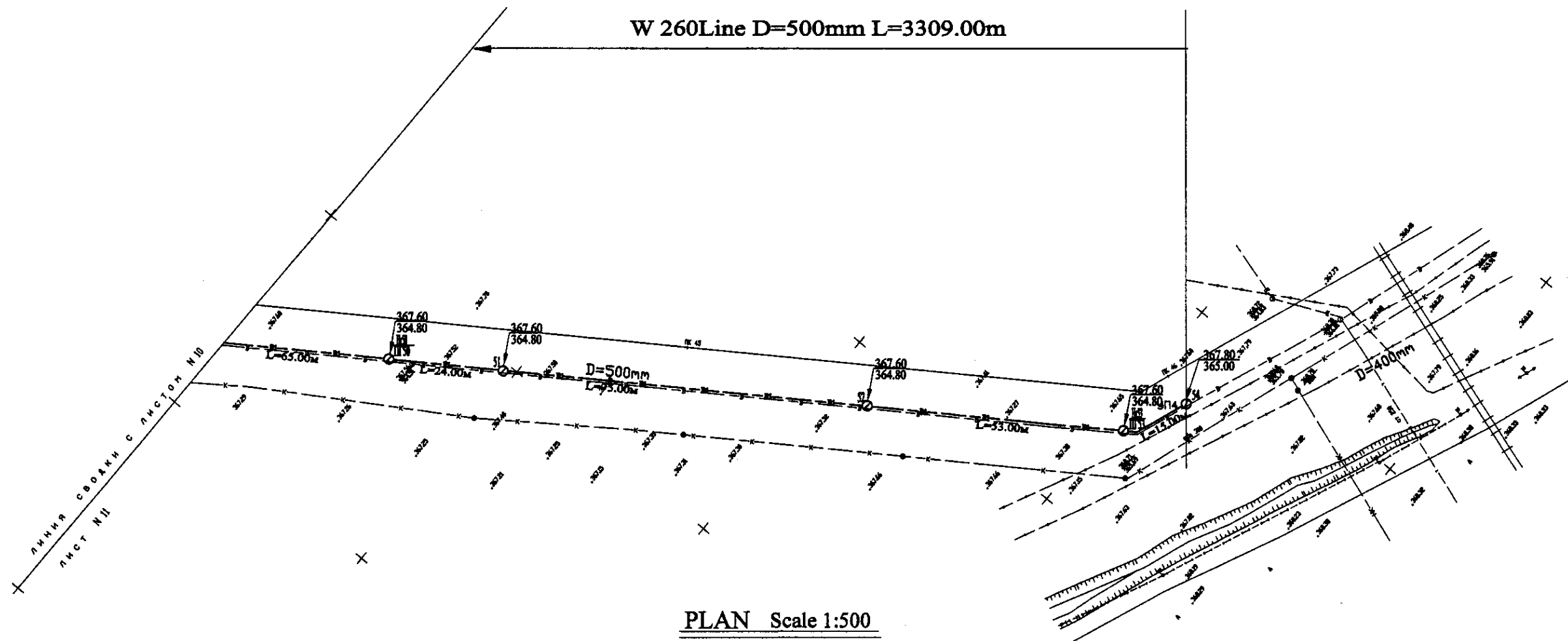
| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Ground Level, m Отметка земли, м | 365.00 | 367.00 | 367.00 | 368.00 | 368.00 | 368.00 | 368.00 | 368.00 | 368.00 | 368.00 | 368.00 |
| Pipe Invert Level Отметка низа трубы, м | 364.00 | 364.00 | 363.00 | 363.00 | 363.00 | 363.00 | 363.00 | 363.00 | 363.00 | 363.00 | 363.00 |
| Single Distance, m Расстояние участков, м | 77.00 | 23.00 | 30.00 | 30.00 | 14.00 | 47.00 | 20.00 | 48.00 | 48.00 | 48.00 | 48.00 |
| Cumulative Distance, m Общее расстояние, м | 77.00 | 100.00 | 130.00 | 160.00 | 174.00 | 221.00 | 241.00 | 289.00 | 337.00 | 385.00 | 3309.00 |
| Station No. Номера участков | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |



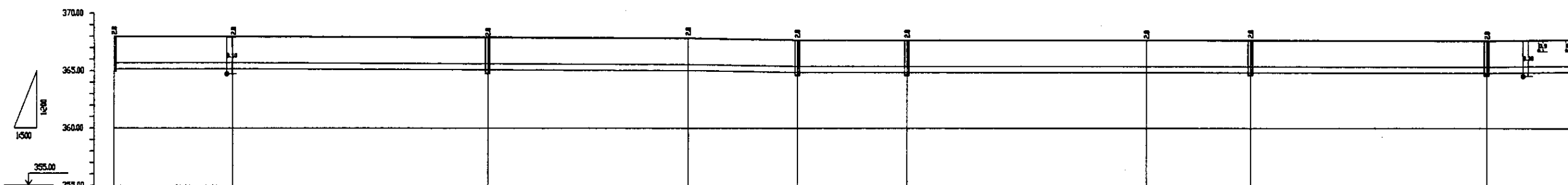
PROFILE
ПРОФИЛЬ

| | | | | |
|--|--|--|--|---|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIPPON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Chief Engineer of the Project: M. Morozov Deputy: T. Kuznetsov Designed by: D. Vlasov Checked by: | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W260 Распределительные сети W260 Plan and Profile 10 План и Профиль 10 | Stage: 10 Sheet: 10 Sheets: 11 W260-C-10 SCALE: 1:500 V. 18.00 |
|--|--|--|--|---|

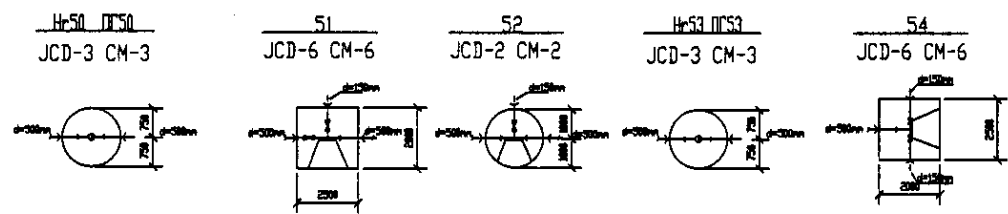
W 260 Line D=500mm L=3309.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500



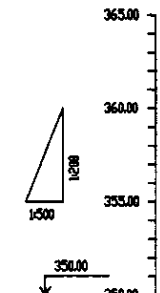
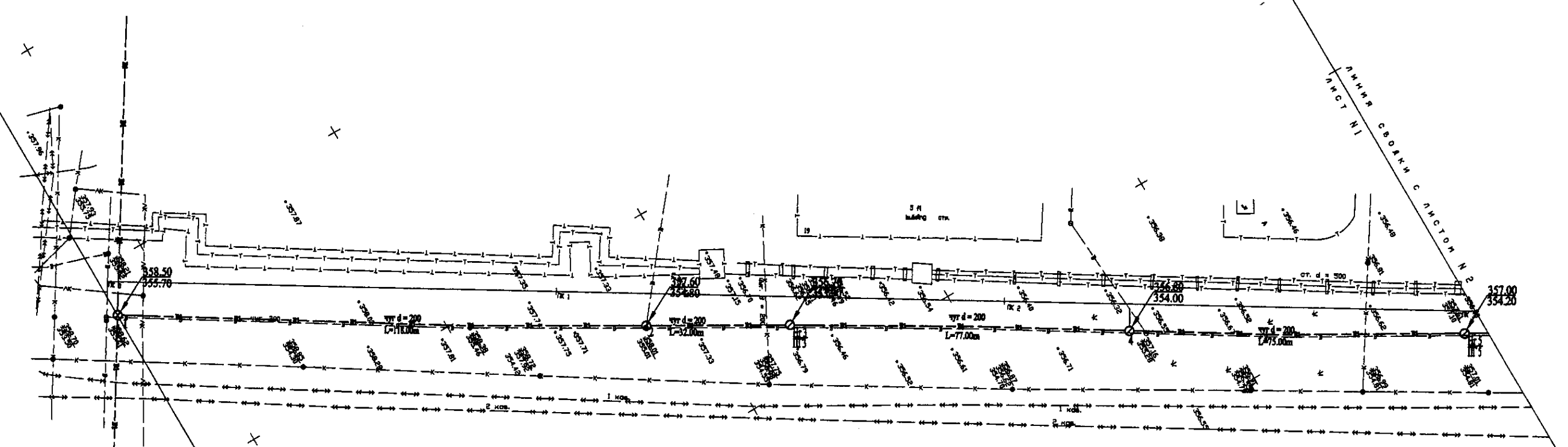
| Pipe Data Данные о трубах | DIP d=500 mm | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 368.00 | 368.00 | 368.00 | 367.00 | 367.00 | 367.00 | 367.00 | 367.00 | 367.00 | 367.00 |
| Pipe Invert Level Отметка низа трубы, м | 363.00 | 363.00 | 363.00 | 362.00 | 362.00 | 362.00 | 362.00 | 362.00 | 362.00 | 362.00 |
| Single Distance, m Расстояние участков, м | 45.00 | 24.00 | 24.00 | 15.00 | 21.00 | 21.00 | 11.00 | 11.00 | 11.00 | 11.00 |
| Cumulative Distance, m Общее расстояние, м | 45.00 | 69.00 | 93.00 | 108.00 | 129.00 | 150.00 | 163.00 | 174.00 | 185.00 | 196.00 |
| Station No. Номера участков | 0+00 | 0+45 | 0+69 | 0+93 | 1+08 | 1+29 | 1+50 | 1+61 | 1+72 | 1+83 |



PROFILE
ПРОФИЛЬ

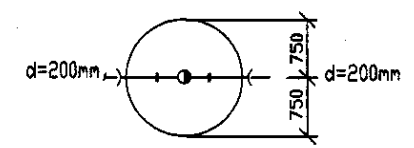
| | | | | |
|--|--|--|-------------------------|-----------------------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Designed by: T. Kuroki | Checked by: G. Serezhko | Distribution Pipeline W260 |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Designed by: I. Yamashita | Checked by: G. Serezhko | Распределительные сети W260 |
| | | Stage | Sheet | Sheets |
| | | Plan and Profile 11 | 11 | 11 |
| | | W260-C-11 SCALE H 1:500 V 1:200 | | |

W261 Line D=200mm L=981.00m



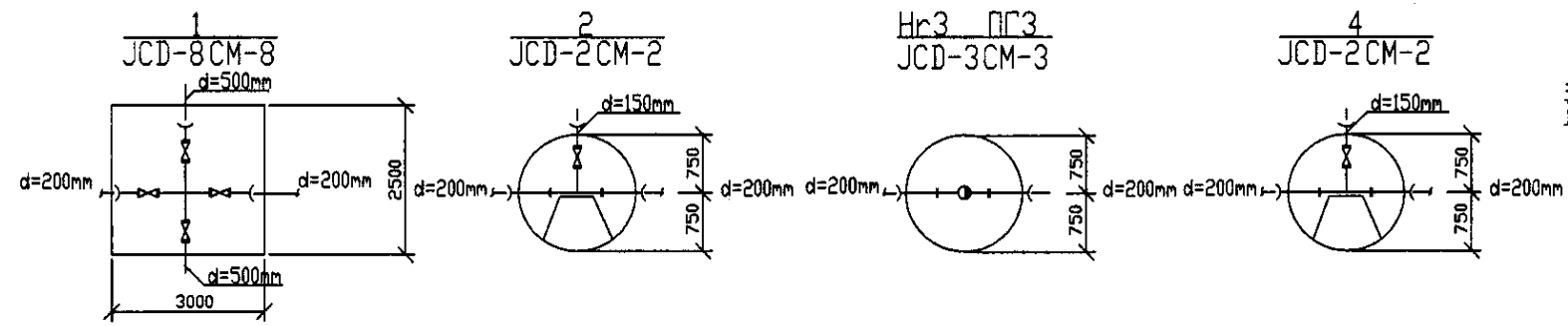
| Station No. Номера знаков | Cumulative Distance, m Общее расстояние, м | Single Distance, m Расстояние знаков, м | Pipe Invert Level Отметка низа трубы, м | Ground Level, m Отметка земли, м |
|------------------------------|---|--|--|-------------------------------------|
| 1 | 0.00 | 0.00 | 353.76 | 353.76 |
| 2 | 11.00 | 11.00 | 353.80 | 353.80 |
| 3 | 33.00 | 22.00 | 353.84 | 353.84 |
| 4 | 110.00 | 77.00 | 353.88 | 353.88 |
| 5 | 185.00 | 75.00 | 353.92 | 353.92 |
| 6 | 260.00 | 75.00 | 353.96 | 353.96 |

Hr5 ПГС
JCD-3 CM-3



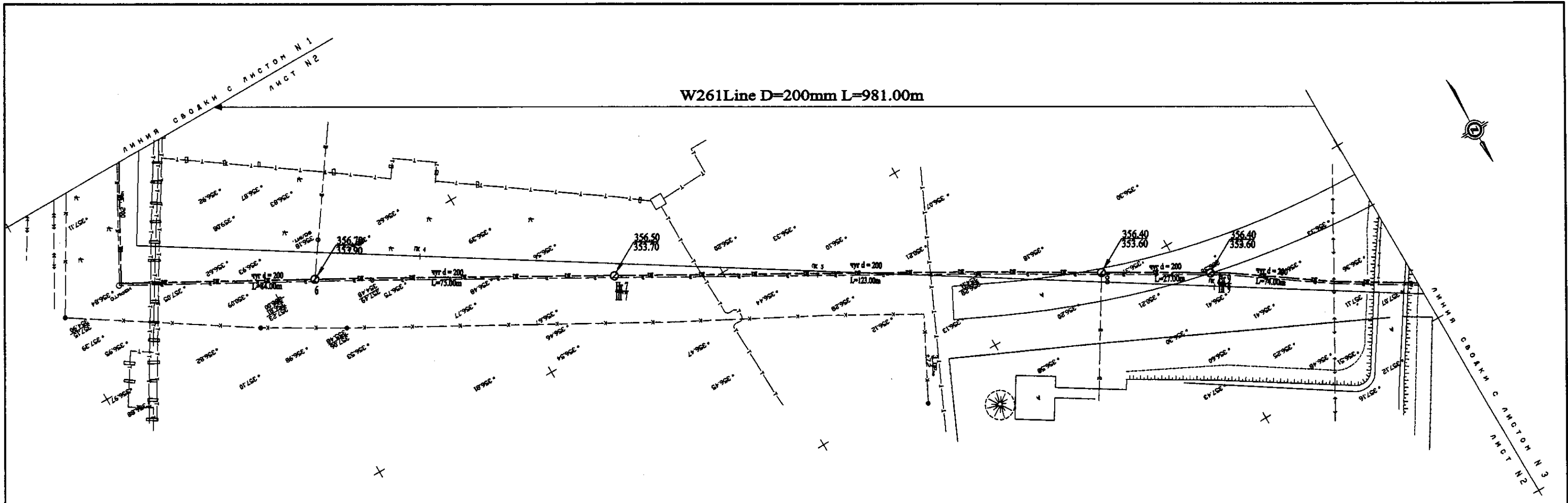
| | | | | |
|---|--------------|--------|--------|--------|
| Pipe Data Данные о трубах | DIP d=200 mm | | | |
| Ground Level, m Отметка земли, м | 353.76 | 353.80 | 353.84 | 353.88 |
| Pipe Invert Level Отметка низа трубы, м | 353.76 | 353.80 | 353.84 | 353.88 |
| Single Distance, m Расстояние знаков, м | 0.00 | 11.00 | 22.00 | 33.00 |
| Cumulative Distance, m Общее расстояние, м | 0.00 | 11.00 | 33.00 | 110.00 |
| Station No. Номера знаков | 1 | 2 | 3 | 4 |

PROFILE
ПРОФИЛЬ

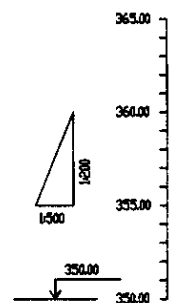


| | | | | | |
|--|--|---|-------|-------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W261 Распределительные сети W261 Plan and Profile 1 План и Профиль 1 | Stage | Sheet | Sheets |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | 1 | 3 | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | | | |
| | NINON SUIDO CONSULTANTS CO.,LTD.-JAPAN | | | | |

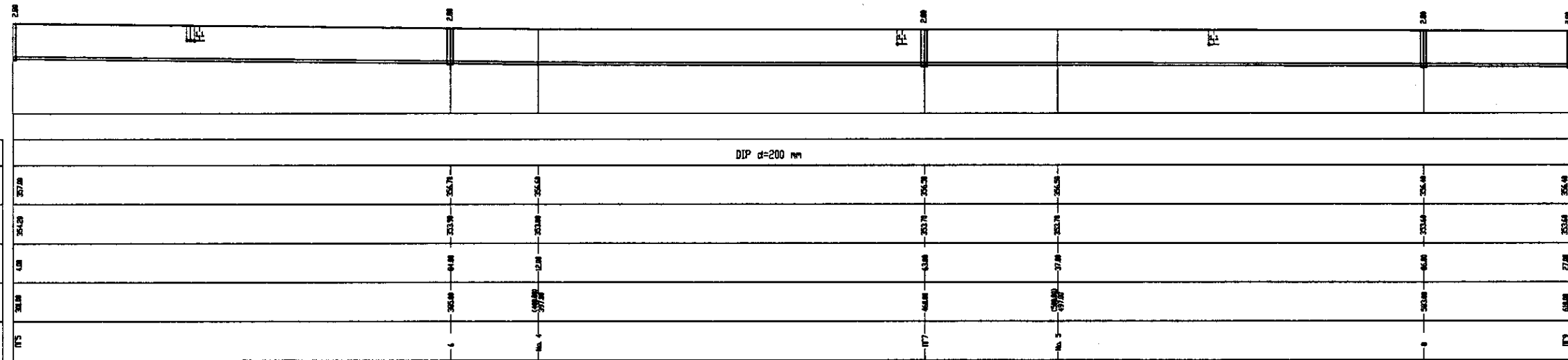
W261 Line D=200mm L=981.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500



| | |
|---|--|
| Pipe Data Данные о трубах | |
| Ground Level, m Отметка земли, м | |
| Pipe Invert Level Отметка низа трубы, м | |
| Single Distance, m Расстояние участков, м | |
| Cumulative Distance, m Общее расстояние, м | |
| Station No. Номера участков | |



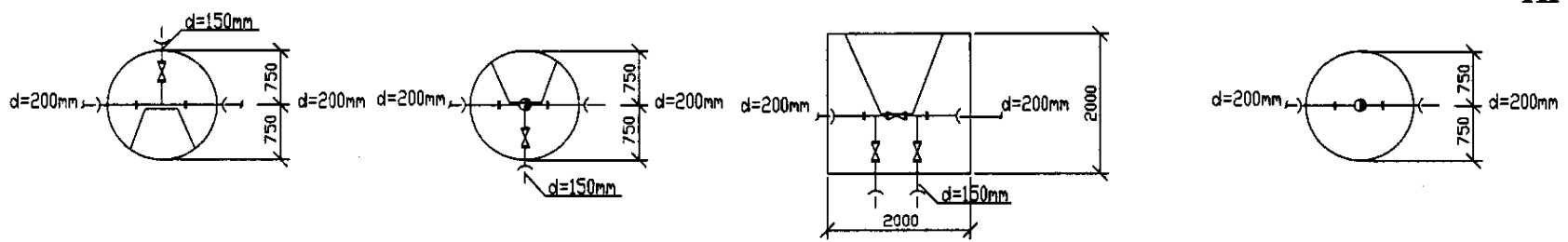
PROFILE
ПРОФИЛЬ

6
JCD-2 CM-2

7
JCD-2 CM-2

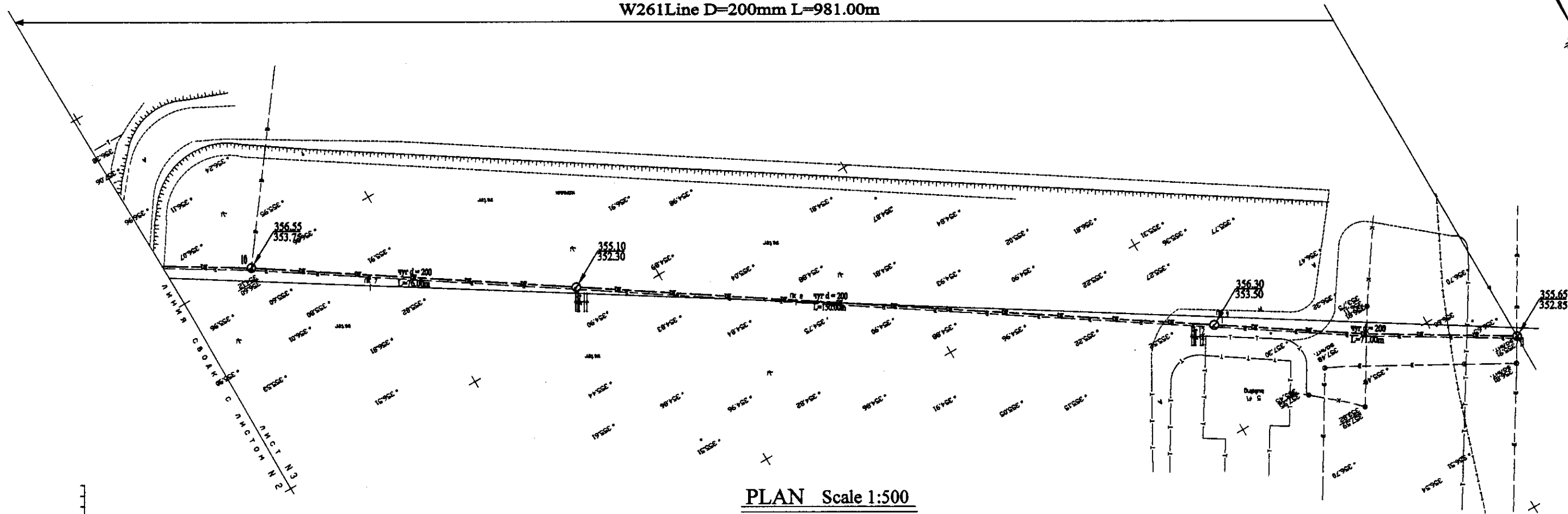
8
JCD-7 CM-7

9
JCD-3 CM-3

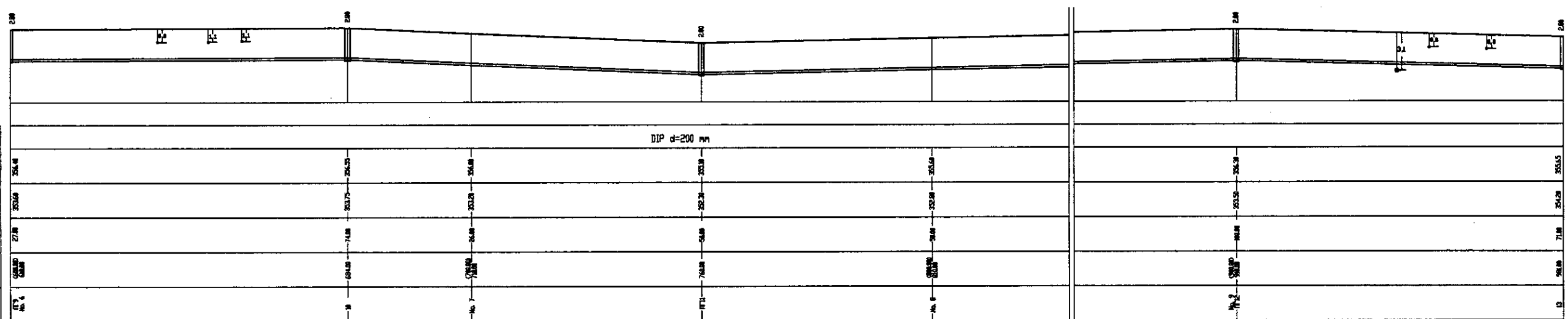
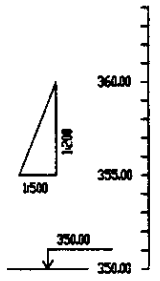


| | | | | | |
|---|--|---|-------|--------------------------|--------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Distribution Pipeline W261 Распределительные сети W261 Plan and Profile 2 План и Профиль 2 | Stage | Sheet | Sheets |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | 2 | 3 | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | | | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | | | | |
| Chief Engineer of the Project/TWS Designer Designed by Checked by: | | M. Mamonov T. K. Agambel J. W. Watanabe D. B. B. | | W261-C-02 SCALE 1:500 | |

W261 Line D=200mm L=981.00m

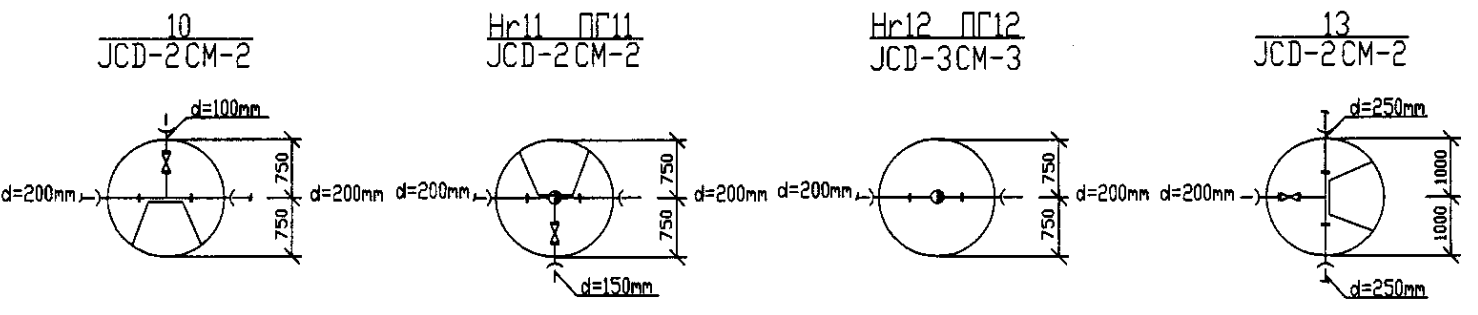


PLAN Scale 1:500
ПЛАН Шкала 1:500



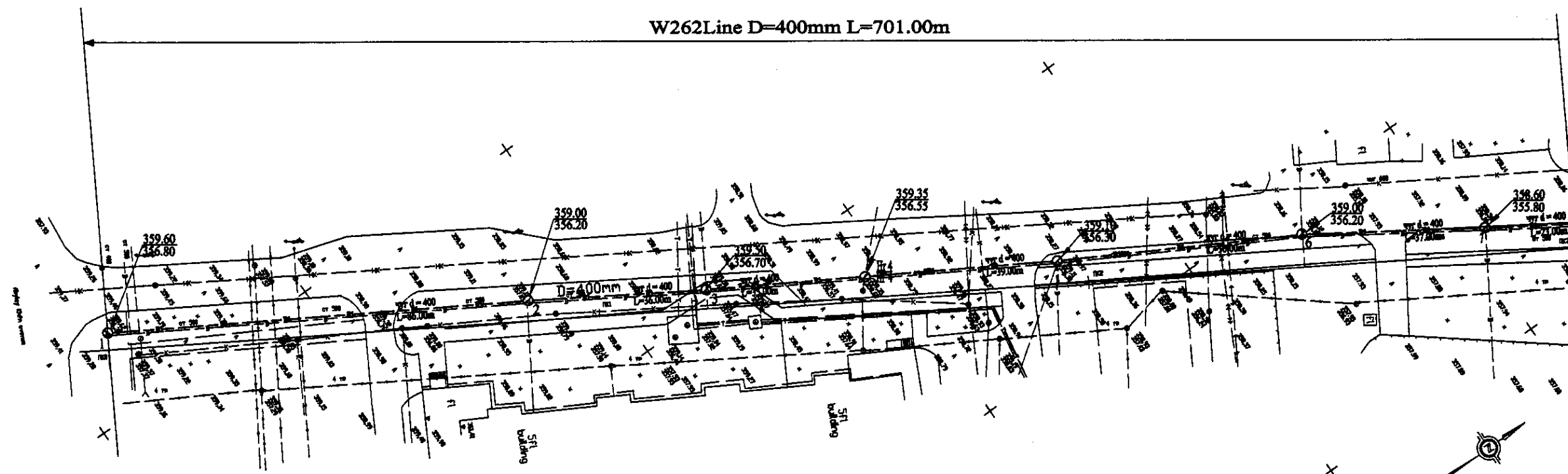
| | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pipe Data Данные о трубах | DIP d=200 mm | | | | | | | | | | | | | | |
| Ground Level, m Отметка земли, м | 354.8, 354.5, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8, 354.8 | | | | | | | | | | | | | | |
| Pipe Invert Level Отметка низа трубы, м | 353.8, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7, 353.7 | | | | | | | | | | | | | | |
| Single Distance, m Расстояние заготовок, м | 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8, 71.8 | | | | | | | | | | | | | | |
| Cumulative Distance, m Общее расстояние, м | 0+00, 0+71.8, 0+143.6, 0+215.4, 0+287.2, 0+359.0, 0+430.8, 0+502.6, 0+574.4, 0+646.2, 0+718.0, 0+789.8, 0+861.6, 0+933.4, 0+981.0 | | | | | | | | | | | | | | |
| Station No. Номера заготовок | 0+00, 0+71.8, 0+143.6, 0+215.4, 0+287.2, 0+359.0, 0+430.8, 0+502.6, 0+574.4, 0+646.2, 0+718.0, 0+789.8, 0+861.6, 0+933.4, 0+981.0 | | | | | | | | | | | | | | |

PROFILE
ПРОФИЛЬ

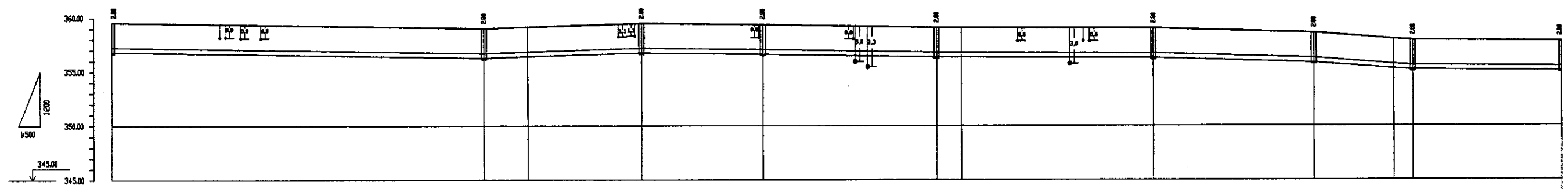
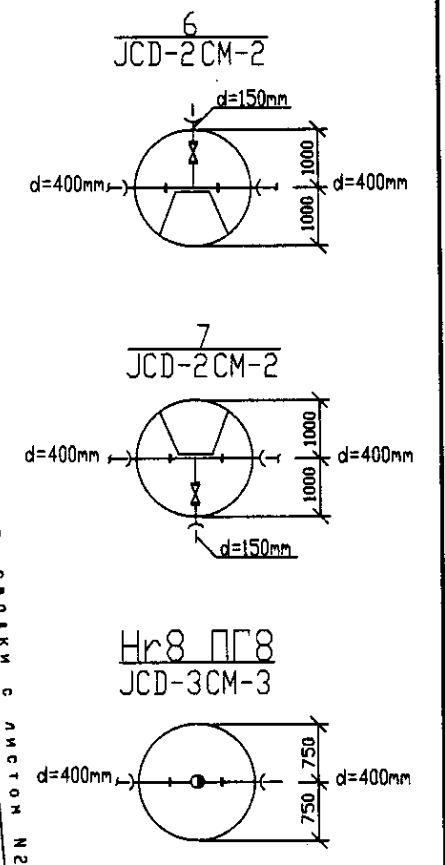


| | | | | | |
|--|---|---|---------------|-------------------|--|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT | | | |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | | | |
| | NJS CONSULTANTS CO.,LTD.-JAPAN | Distribution Pipeline W261 | | | |
| | NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN | Распределительные сети W261 | | | |
| | | Stage Этап | Sheet Лист | Sheet's Листов | |
| | | 3 | 3 | 3 | |
| | | Plan and Profile 3 | | | |
| | | План и Профиль 3 | | | |
| | | W261-C-03 | | | |
| | | SCALE H 1:500 | | | |
| | | V 1:200 | | | |

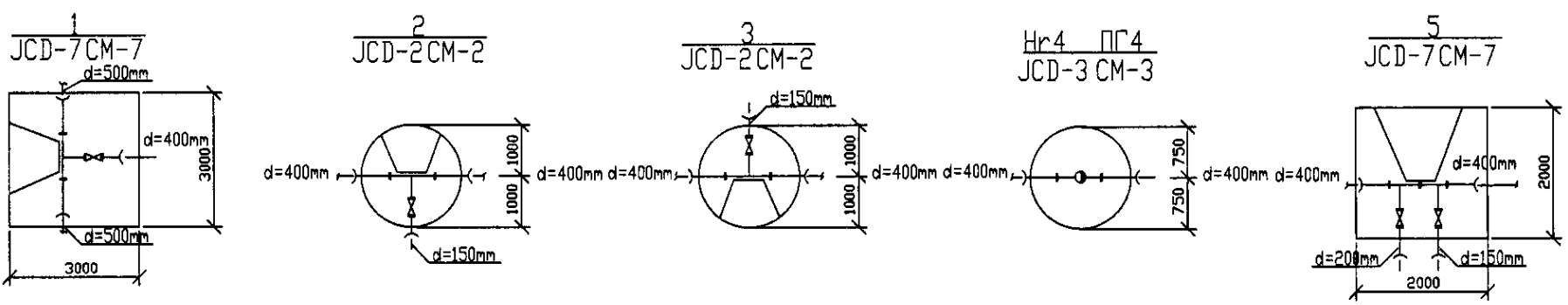
W262Line D=400mm L=701.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500



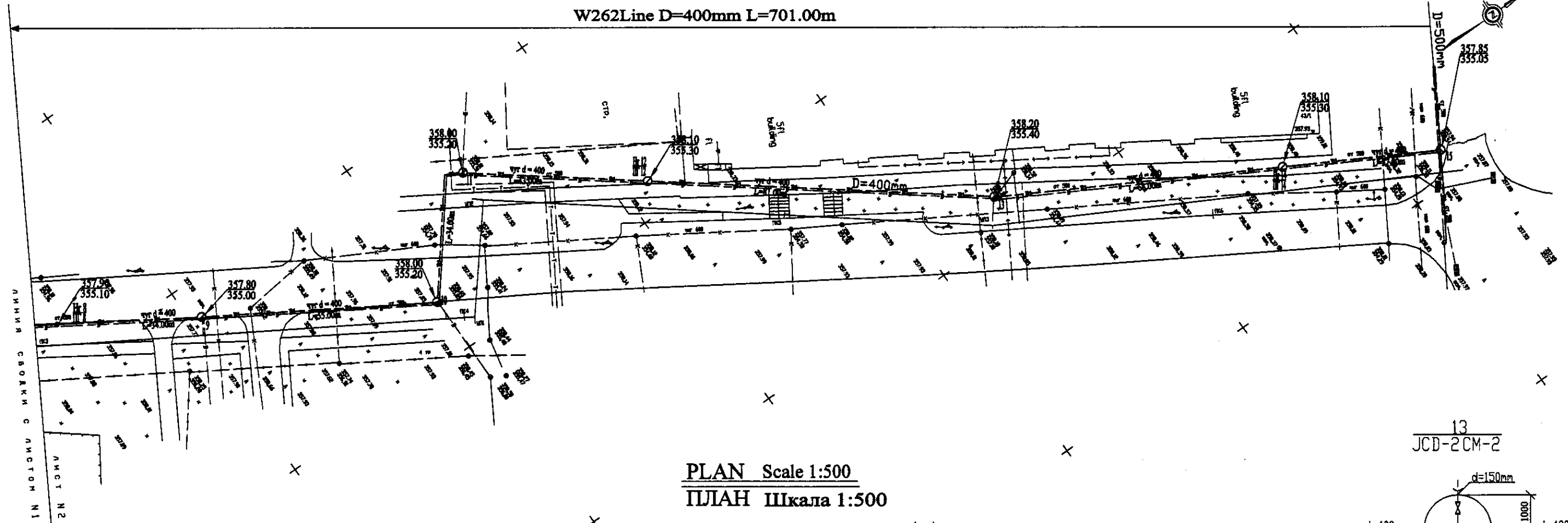
| Station No. Номера участков | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ground Level, m Отметка земли, м | 359.60 | 359.35 | 359.00 | 359.70 | 359.00 | 359.60 | 359.00 | 359.60 | 359.00 | 355.80 |
| Pipe Invert Level Отметка низа трубы, м | 356.80 | 356.55 | 356.20 | 356.70 | 356.20 | 356.20 | 356.20 | 356.20 | 356.20 | 355.80 |
| Single Distance, m Расстояние участков, м | 0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| Cumulative Distance, m Сумма расстояний, м | 0 | 24.00 | 48.00 | 72.00 | 96.00 | 120.00 | 144.00 | 168.00 | 192.00 | 216.00 |



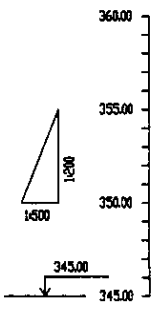
PROFILE
ПРОФИЛЬ

| | | | | | | |
|--|---|---|---|------------|------------|-------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO., LTD. - JAPAN NIHON SUIDO CONSULTANTS CO., LTD. - JAPAN | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | Distribution Pipeline W262 Распределительные сети W262 | Stage 1 | Sheet 1 | Sheets 2 |
| | Plan and Profile 1 План и Профиль 1 | W262-C-01 SCALE H 1:500 V 1:200 | | | | |

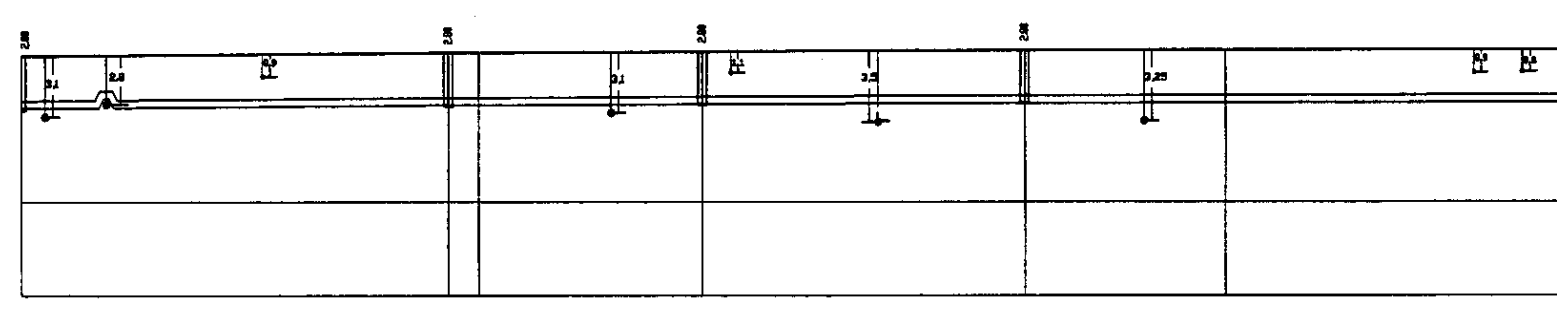
W262 Line D=400mm L=701.00m



PLAN Scale 1:500
ПЛАН Шкала 1:500

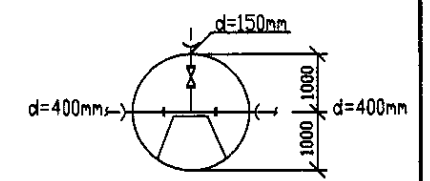


| Pipe Data Данные о трубах | Ground Level, m Отметка земли, м | Pipe Invert Level Отметка низа трубы, м | Single Distance, m Расстояние между колодцами, м | Cumulative Distance, m Общее расстояние, м | Station No. Номера колодцев |
|------------------------------|-------------------------------------|--|---|---|--------------------------------|
| DIP d=400 mm | 357.98 | 355.10 | 34.00 | 34.00 | 9 |
| | 357.80 | 355.00 | 35.00 | 69.00 | 10 |
| | 358.00 | 355.20 | 36.00 | 105.00 | 11 |
| | 358.30 | 355.30 | 37.00 | 142.00 | 12 |
| | 358.20 | 355.40 | 38.00 | 180.00 | 13 |
| | 358.10 | 355.30 | 39.00 | 219.00 | 14 |
| | 357.85 | 355.05 | 42.00 | 261.00 | 15 |

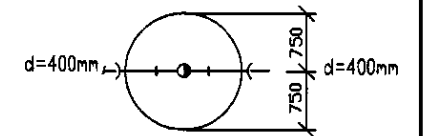


PROFILE
ПРОФИЛЬ

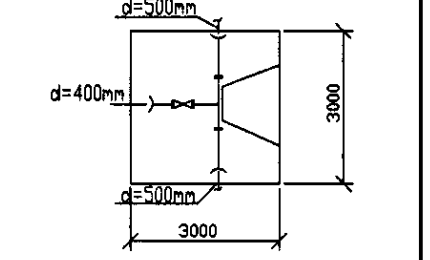
13
JCD-2 CM-2



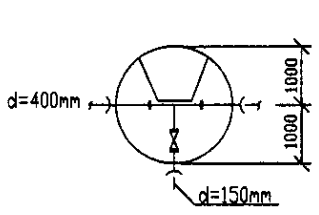
Hr14 ПГ14
JCD-3 CM-3



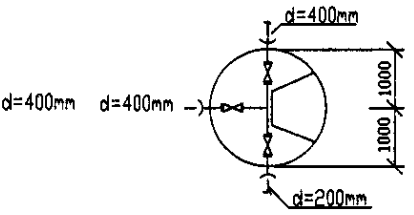
15
JCD-7 CM-7



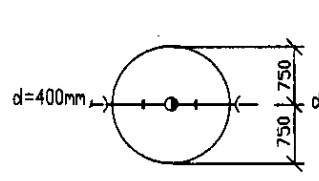
9
JCD-2 CM-2



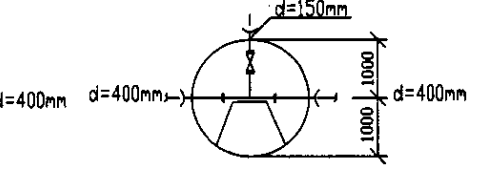
10
JCD-1 CM-1



Hr11 ПГ11
JCD-3 CM-3



12
JCD-2 CM-2



| | | | | | | |
|--|--|---|---|------------|------------|-------------|
| | КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ | ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" | Distribution Pipeline W262 Распределительные сети W262 | Stage 2 | Sheet 2 | Sheets 2 |
| | JAPAN INTERNATIONAL COOPERATION AGENCY | | | | | |
| | NJS CONSULTANTS CO., LTD. - JAPAN | | | | | |
| | NINON SUIDO CONSULTANTS CO., LTD. - JAPAN | | | | | |
| Chief Engineer M. M. Kozlov Chief Designer T. Kiguchi Designer I. Watanabe Checked by I. Watanabe | Date 10/10/2010 | W262-C-02 SCALE: H 1:500 V 1:200 | | | | |